

Ships Bag for MB/L 721328490

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Manifest

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Container-No.: CAAU8324216 40' HIGH CUBE CONTAINER Seal-No.: B136383
Vessel: SAC9998 / MAERSK FELIXSTOWE
ETS:
Master-B/L.: 721328490

BL-Ref	Marks & Nos	Qty	Packing	Description of goods	Kos	Cbm
VER283066	HD 5002667859 MRI / HOSPITALES ANGELES MEXICO D.F. / MEXICO NR 1-5	5	PALLETS	MEDICAL EQUIPMENT HS CODE: 90189060 S.P. 238	1130.000	10.754
VER283113	SCHERDEL WIESAUPLAST KNIPPING AUTOMOTIVE DN 12906842	1	PALLET	BRAKE PARTS AS PER INVOICE: 13091753 HS-CODE: 870830	175.920	0.902
VER283170	533335 97973525 532976 97962125	3	PLLETS	CAR PARTS HS CODE: 90262020 DEL.: 86783401 86766091 INV.: 97973525 97962125	960.000	4.325
VER283210	SIBO G. D.O.O. ALLTUB MEXICO	10	PALLETS	PLASTIC CAPS AS PER INVOICE: 26530000856 HS-CODE: 392350	3304.150	16.417
VER283215	533481 97977674	1	PALLET	CAR PARTS HS CODE: 90262020 DEL.: 86789979 INV.:97977674	320.000	1.467
VER381823	REHAU S.A. DE C.V BRANCH CELAYA CARR. LIBRE CELAYA-QRO. KM 8,5 38197 APASEO EL GRANDE MEXICO 472145	12	PALLETS	END CAPS FOR WINDSHIELD WIPER HS-CODE: 392690	1840.000	13.942

Total**Quantity
32****Grossweight Measurement
7.730.070 47.807**

valid from March 1st 2026

Container:
CAAU 832 421-9



B/L	COLLECT	incl.Special charges	Doc fee	Unstuffing	Admin Fee	Transm.Fee	Port Transf	On Carriage	0,00 USD	Quote No.:
VER283113	42,00									
VER283170			50,00	121,10				DAP San Jose Chiapa	599,12	IMPO-92777
VER283210	689,51									
VER283210			50,00	41,08				DAP San Jose Chiapa	441,79	IMPO-92871
	731.51		100.00	162.18	0.00	0.00	0.00		1040.91	

676.14 USD

credit to Interteam

676.14 USD

SHIPPER	Consignee	Doc fee	Unstuffing	Admin	Tranmiss.	Port Transfer
Würth Hansa Gateway	Knipping/Globaltrans all	USD 50,- USD 70,-	USD 28,-w/m USD 33,-w/m			

 MAERSK		NON-NEGOTIABLE WAYBILL		SCAC MAEU
				B/L No. 721328490
Shipper (As principal, where "care of", "c/o", or other variants used.) SACO SHIPPING GMBH AS AGENT OF SACO SHIPPING LINE LIMITED WOLLKAEMMEREISTR. 1 D-21107 HAMBURG / GERMANY TAX-ID. DE-118597456		Booking No. 721328490		
		Export references 603HAM1658GECH		Svc Contract 299542652
Consignee (Negotiable only if consigned "to order", "to order of" a named Person or "to order of bearer". As principal, where "care of", "c/o", or other variants used.) INTERTEAM, S.A. DE C.V. COLIMA 114, INT 201 COLONIA ROMA, C.P. 06700 MEXICO CITY. TEL: +525555149897 TAX ID: INT961206ES7 CTC: MARCELA GODINEZ		This contract is subject to the terms, conditions and exceptions, including the law & jurisdiction clause and limitation of liability & declared value clauses, of the current Maersk Bill of Lading (available from the Carrier, its agents and at terms.maersk.com/carriage), which are applicable with logical amendments (mutatis mutandis). To the extent necessary to enable the Consignee to sue and to be sued under this contract, the Shipper on entering into this contract does so on his own behalf and as agent for and on behalf of the Consignee and warrants that he has the authority to do so. The shipper shall be entitled to change the Consignee at any time before delivery of the goods provided he gives the Carrier reasonable notice in writing. Delivery will be made to the Consignee or his authorised agent on production of reasonable proof of identity (and, in the case of an agent, reasonable proof of authority) without production of this waybill. The Carrier shall be under no liability whatsoever for misdelivery unless caused by the Carrier's negligence.		
Notify Party (see clause 22) SAME AS CONSIGNEE EMAIL: IMPORT@INTERTEAM.COM.MX		Onward inland routing (Not part of Carriage as defined in clause 1. For account and risk of Merchant)		
Vessel MAERSK FELIXSTOWE	Voyage No. 610W	Place of Receipt. Applicable only when document used as Multimodal Waybill Hamburg		
Port of Loading Hamburg	Port of Discharge Veracruz *	Place of Delivery. Applicable only when document used as Multimodal Transport B/L. (see clause 1)		

PARTICULARS FURNISHED BY SHIPPER

Kind of Packages; Description of goods; Marks and Numbers; Container No./Seal No. 1 Container Said to Contain 32 PACKAGE CAAU 832421-6 40/DRY 9'6 1 PALLET GROSS WEIGHT: 175.920 KGS MEASUREMENT: 0.902 CBM BRAKE PARTS AS PER INVOICE: 13091753 HS-CODE: 870830 3 PLLETS GROSS WEIGHT: 960.000 KGS MEASUREMENT: 4.325 CBM CAR PARTS HS CODE: 90262020 DEL.: 86783401 86766091 INV.: 97973525 97962125 10 PALLETS GROSS WEIGHT: 3304.150 KGS MEASUREMENT: 16.417 CBM PLASTIC CAPS AS PER INVOICE: 26530000856	Weight 7730.070 KGS	Measurement 47.807 CBM
--	------------------------	---------------------------

Below freight details will not be part of Original Bill of Lading unless requested by customer
 Above particulars as declared by Shipper, but without responsibility of or representation by Carrier.

Freight & Charges		Rate	Unit	Currency	Prepaid	Collect
Charges Name		Prepaid/Collect	Invoice Party	Customer Code	Collection Business Unit	
Basic Ocean Freight		Prepaid	SACO SHIPPING GMBH	11314343	Maersk Deutschland (Hamburg)	
Container Protect Essential		Collect				
Documentation fee - Destination		Collect				
Carrier's Receipt. Total number of containers or packages received by Carrier.	Place of Issue of Waybill		Shipped, as far as ascertained by reasonable means of checking, in apparent good order and condition unless otherwise stated herein the total number or quantity of Containers or other packages or units indicated in the box opposite entitled "Carrier's Receipt"			
1 container	Mumbai					
Shipped on Board Date (Local Time)	Date Issue of Waybill					
Declared Value Charges (see clause 7.3 of the Maersk Bill of Lading) for Declared Value of US\$						
Signed for the Carrier Maersk A/S						
This transport document has one or more numbered pages						

As Agent(s)

HS-CODE: 392350
 1 PALLET GROSS WEIGHT: 320.000 KGS MEASUREMENT: 1.467 CBM
 CAR PARTS
 HS CODE: 90262020
 DEL.: 86789979
 INV.:97977674
 5 PALLETS GROSS WEIGHT: 1130.000 KGS MEASUREMENT: 10.754 CBM
 MEDICAL EQUIPMENT
 HS CODE: 90189060
 S.P. 238
 12 PALLETS GROSS WEIGHT: 1840.000 KGS MEASUREMENT: 13.942 CBM
 END CAPS FOR WINDSHIELD
 WIPER
 HS-CODE: 392690

CAAU8324216 40 DRY 9'6 32 PACKAGE 7730.070 KGS 47.807 CBM

Shipper Seal : B136383

The Merchant(s) warrant and represent that this shipment and/or Goods will comply at all times with European Union, United States and United Nations sanctions and/or export control laws (Sanctions Laws), and that this shipment and/or Goods do not involve, whether directly or indirectly, any entity or person identified, or owned or controlled by any such entity or person identified, on the U.S. Treasury Departments Office of Foreign Asset Control (OFAC) list of Specially Designated Nationals and Blocked Persons, or any other similar list maintained by the European Union, or as promulgated by the United Nations Security Council (Designated Person). If, in the Carriers reasonable opinion, this shipment and/or Goods are in violation of the Carriers policy on Russia [<https://www.maersk.com/news/articles/2022/02/24/russia-ukraine-situation-update>], Sanctions Laws or involves any Designated Person, the shipment and/or Goods will be returned to the origin at Carriers sole and unfettered discretion, and the Merchant(s) shall indemnify and hold harmless the Carrier, its servants and agents, for any breach of this clause. The Merchant(s) agree that the Carrier may stop the shipment and/or Goods in transit or withhold release of the shipment and/or Goods pending any investigation into compliance with this clause by the Merchant(s).
 SHIPPER'S LOAD, STOW, WEIGHT AND COUNT

Freight & Charges		Rate	Unit	Currency	Prepaid	Collect
Charges Name		Prepaid/Collect	Invoice Party	Customer Code	Collection Business Unit	
Terminal Handling Service - Destination		Collect				
Equipment Handling Import		Collect				
Emission Surcharge		Prepaid	SACO SHIPPING GMBH	11314343	Maersk Deutschland (Hamburg)	
Inland Haulage Export		Prepaid	SACO SHIPPING GMBH	11314343	Maersk Deutschland (Hamburg)	
Value Protect Starter		Prepaid	SACO SHIPPING GMBH	11314343	Maersk Deutschland (Hamburg)	

FREIGHT PREPAID
SD/CY

Freight & Charges		Rate	Unit	Currency	Prepaid	Collect
Charges Name	Prepaid/Collect	Invoice Party		Customer Code	Collection Business Unit	

VISION BATTERY

Sealed Lead Acid Battery



MATERIAL SAFETY DATA SHEET

SECTION 1 - GENERAL INFORMATION

MANUFACTURER'S NAME: SHENZHEN CENTER POWER TECH CO.,LTD	EMERGENCY TELEPHONE NO.: 86-755-84318088
ADDRESS: CENTER POWER INDUSTRIAL PARK TONGFU INDUSTRIAL DISTRICT DAPENG TOWN CHINA	OTHER INFORMATION CALLS: 86-755-84318031
PERSON RESPONSIBLE FOR PREPARATION Shouzhong Yi, Safety, Health & Environmental Affairs Manager	Revised Date: JAN 03, 2023

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

C.A.S.	PRINCIPAL HAZARDOUS COMPONENT(S) (chemical & common name(s))	Hazard Category	% Weight	ACGIH TLV - mg/m ³	OSHA PEL/TWA - mg/m ³
7439-92-1	Lead/Lead Oxide (Litharge)/Lead Sulfate	Acute-Chronic	60-70	0.05 mg/m ³	0.05 mg/m ³
7440-70-2	Calcium (lead calcium alloy)	Reactive	<0.15	Not Established	Not Established
7440-31-5	Tin	Chronic	<1	2	2
7440-38-2	Arsenic (inorganic)	Acute-Chronic	<1	0.01	0.01
7664-93-9	Sulfuric Acid (Battery Electrolyte)	Reactive-Oxidizer Acute -Chronic	10-15	1.0	1.0
Not applicable	Inert Ingredients	Not applicable	<6	Not Applicable	Not Applicable

Note: PEL's for individual states may differ from OSHA's PEL's. Check with local authorities for the applicable state PEL's.

OSHA – Occupational Safety and Health Administration; ACGIH – American Conference of Governmental Industrial Hygienists; NIOSH – National Institute for Occupational Safety and Health.

COMMON NAME: (Used on label) Sealed Lead-acid Battery

(Trade Name & Synonyms) lead acid: CP, CGA, CGTA, FM, UPS, CL, CG, CT, CTA, HFS, EV Series

Chemical Family: Toxic and Corrosive Material Mixture

Chemical

Formula: Lead/Acid

Name: Battery, Storage, Lead Acid, Valve Regulated

SECTION 3 -- HAZARD IDENTIFICATION

Signs and Symptoms of Exposure	1. Acute Hazards	Do not open battery. Avoid contact with internal components. Internal components include lead and absorbed electrolyte. Electrolyte - Electrolyte is corrosive and contact may cause skin irritation and chemical burns. Electrolyte causes severe irritation and burns of eyes, nose and throat. Ingestion can cause severe burns and vomiting. Lead - Direct skin or eye contact may cause local irritation. Inhalation or ingestion of lead dust or fumes may result in headache, nausea, vomiting, abdominal spasms, fatigue, sleep disturbances, weight loss, anemia and leg, arm and joint pain.			
	2. Subchronic and Chronic Health Effects	Electrolyte - Repeated contact with electrolyte causes irritation and skin burns. Repeated exposure to mist may cause erosion of teeth, chronic eye irritation and/or chronic inflammation of the nose, throat and lungs. Lead - Prolonged exposure may cause central nervous system damage, gastrointestinal disturbances, anemia, irritability, metallic taste, insomnia, wrist-drop, kidney dysfunction and reproductive system disturbances. Pregnant women should be protected from excessive exposure to prevent lead from crossing the placental barrier and causing infant neurological disorders. California Proposition 65 Warning: Battery posts, terminals, and related accessories contain lead and lead compounds, chemicals known to the State of California to cause cancer and reproductive harm, and during charging, strong inorganic acid mists containing sulfuric acid are evolved, a chemical Known to the State of California to cause cancer. Wash hands after handling.			
Medical Conditions Generally Aggravated by Exposure	Contact with internal components if battery is broken or opened, then persons with the following medical conditions must take precautions: pulmonary edema, bronchitis, emphysema, dental erosion and tracheobronchitis.				
Routes of Entry	Inhalation - YES Ingestion – YES		Eye Contact- YES		
Chemical(s) Listed as Carcinogen or potential Carcinogen	Proposition 65 - YES		National Toxicology Program - YES	I.A.R.C. Monographs - YES	O.S.H.A. - NO

SECTION 4 - FIRST AID MEASURES

Emergency and First Aid Procedures	Contact with internal components if battery is opened/broken.
1. Inhalation	Remove to fresh air and provide medical oxygen/CPR if needed. Obtain medical attention.
2. Eyes	Immediately flush with water for at least 15 minutes, hold eyelids open. Obtain medical attention.
3. Skin	Flush contacted area with large amounts of water for at least 15 minutes. Remove contaminated clothing and obtain medical attention if necessary.
4. Ingestion	Do not induce vomiting. If conscious drink large amounts of water/milk. Obtain medical attention. Never give anything by mouth to an unconscious person.

SECTION 5 - FIREFIGHTING MEASURES

Flash Point – Not Applicable	Flammable Limits in Air % by Volume: Not Applicable	Extinguishing Media – Class ABC, CO ₂ , Halon	Auto-Ignition Temperature 675°F (polypropylene)
Special Fire Fighting Procedures	Lead/acid batteries do not burn, or burn with difficulty. Do not use water on fires where molten metal is present. Extinguish fire with agent suitable for surrounding combustible materials. Cool exterior of battery if exposed to fire to prevent rupture. The acid mist and vapors generated by heat or fire are corrosive. Use NIOSH approved self-contained breathing apparatus (SCBA) and full protective equipment operated in positive-pressure mode.		
Unusual Fire and Explosion Hazards	Sulfuric acid vapors are generated upon overcharge and polypropylene case failure. Use adequate ventilation. Avoid open flames/sparks/other sources of ignition near battery.		

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Procedures for Cleanup: Avoid contact with any spilled material. Contain spill, isolate hazard area, and deny entry. Limit site access to emergency responders. Neutralize with sodium bicarbonate, soda ash, lime or other neutralizing agent. Place battery in suitable container for disposal. Dispose of contaminated material in accordance with applicable local, state and federal regulations. Sodium bicarbonate, soda ash, sand, lime or other neutralizing agent should be kept on-site for spill remediation.

Personal Precautions: Acid resistant aprons, boots and protective clothing. ANSI approved safety glasses with side shields/face shield recommended.

Environmental Precautions: Lead and its compounds and sulfuric acid can pose a severe threat to the environment. Contamination of water, soil and air should be prevented.

SECTION 7 - HANDLING AND STORAGE

Precautions to be Taken in Handling and Storage	Store away from reactive materials, open flames and sources of ignition as defined in Section 10 – Stability and Reactivity Data. Store batteries in cool, dry, well-ventilated areas. Batteries should be stored under roof for protection against adverse weather conditions. Avoid damage to containers.
Other Precautions	GOOD PERSONAL HYGIENE AND WORK PRACTICES ARE MANDATORY. Refrain from eating, drinking or smoking in work areas. Thoroughly wash hands, face, neck and arms, before eating, drinking and smoking. Work clothes and equipment should remain in designated lead contaminated areas, and never taken home or laundered with personal clothing. Wash soiled clothing, work clothes and equipment before reuse.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

Respiratory Protection (Specify Type)	None required under normal conditions. Acid/gas NIOSH approved respirator is required when the PEL is exceeded or employee experiences respiratory irritation.				
Ventilation	Store and handle in dry ventilated area.	Local Exhaust	When PEL is exceeded.	Mechanical (General)	Not Applicable
Protective Gloves	Wear rubber or plastic acid resistant gloves.		Eye Protection	ANSI approved safety glasses with side shields/face shield recommended	
Other Protective Clothing or Equipment	Safety shower and eyewash.				

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: Not Applicable	Vapor Pressure	Not Applicable	Specific Gravity	1.250-1.320 pH <2	Melting Point: >320°F (polypropylene)
Percent Volatile By Volume	Not Applicable	Vapor Density	Hydrogen: 0.069 (Air = 1) Electrolyte: 3.4 @ STP (Air = 1)	Evaporation Rate	Not applicable
Solubility In water	100% soluble (electrolyte)		Reactivity in Water	Electrolyte – Water Reactive (1)	
Appearance and Odor:	Battery: Co-polymer polypropylene, solid; may be contained within an outer casing of aluminum or steel. Case has metal terminals. Lead: Gray, metallic, solid; brown/grey oxide Electrolyte: Odorless, liquid absorbed in glass mat material. No apparent odor.				

SECTION 10 - STABILITY AND REACTIVITY

Stability: Stable	Conditions to Avoid: Avoid overcharging and smoking, or sparks near battery surface. High temperatures-cases decompose at >320°F.
Incompatibility (Materials to Avoid)	Sparks, open flames, keep battery away from strong oxidizers.
Hazardous Decomposition Products	Combustion can produce carbon dioxide and carbon monoxide.
Hazardous Polymerization	Hazardous Polymerization has not been reported.

SECTION 11 - TOXICOLOGICAL INFORMATION

GENERAL: The primary routes of exposure to lead are ingestion or inhalation of dust and fumes.

ACUTE:

INHALATION/INGESTION: Exposure to lead and its compounds may cause headache, nausea, vomiting, abdominal spasms, fatigue, sleep disturbances, weight loss, anemia, and pain in the legs, arms and joints. Kidney damage, as well as anemia, can occur from acute exposure.

CHRONIC:

INHALATION/INGESTION: Prolonged exposure to lead and its compounds may produce many of the symptoms of short-term exposure and may also cause central nervous system damage, gastrointestinal disturbances, anemia, and wrist drop. Symptoms of central nervous system damage include fatigue, headaches, tremors, hypertension, hallucination, convulsions and delirium. Kidney dysfunction and possible injury has also been associated with chronic lead poisoning. Chronic over-exposure to lead has been implicated as a causative agent for the impairment of male and female reproductive capacity, but there is at present, no substantiation of the implication. Pregnant women should be protected from excessive exposure. Lead can cross the placental barrier and unborn children may suffer neurological damage or developmental problems due to excessive lead exposure in pregnant women.

SECTION 12 - ECOLOGICAL INFORMATION

In most surface water and groundwater, lead forms compounds with anions such as hydroxides, carbonates, sulfates, and phosphates, and precipitates out of the water column. Lead may occur as sorbed ions or surface coatings on sediment mineral particles or may be carried in colloidal particles in surface water. Most lead is strongly retained in soil, resulting in little mobility. Lead may be immobilized by ion exchange with hydrous oxides or clays or by chelation with humic or fulvic acids in the soil. Lead (dissolved phase) is bioaccumulated by plants and animals, both aquatic and terrestrial.

SECTION 13 - DISPOSAL CONSIDERATIONS

Lead-acid batteries are completely recyclable. Return whole scrap batteries to distributor, manufacturer or lead smelter for recycling. For information on returning batteries to Vision Battery for recycling call 251-7779888. For neutralized spills, place residue in acid-resistant containers with sorbent material, sand or earth and dispose of in accordance with local, state and federal regulations for acid and lead compounds. Contact local and/or state environmental officials regarding disposal information.

SECTION 14 - TRANSPORT INFORMATION

All Vision AGM, Gel batteries CG, CP, FM, CL series and CTA series are valve regulated lead acid (VRLA) batteries.

Vision's VRLA batteries have passed vibration, pressure differential and free flowing acid tests under CFR 49 173.159(d) and meet IATA Special Provisions A48 and A67. The batteries are securely packaged, protected from short circuits and labeled "Non-Spillable." Vision's VRLA batteries are exempt from DOT Hazardous Material Regulations and IATA Dangerous Goods Regulations.

Note: The shipper has the option of shipping the batteries Hazmat regulated under UN2800. Additional labeling and paperwork would be required. See CFR 49 and IATA Dangerous Goods Regulations for more information.

U.S. DOT PROPER SHIPPING NAME: Batteries, wet, non-spillable

U.S. DOT HAZARD CLASS: 8

U.S. DOT ID NUMBER: UN2800

U.S. DOT PACKING GROUP: III

OR

Excepted from the requirements because batteries have passed the Vibration and Pressure Differential performance tests, and ruptured case test for Nonspillable designation.

U.S. DOT LABEL: CORROSIVE

IMO PROPER SHIPPING NAME: Batteries, wet, non-spillable

IMO U.N. CLASS: 8

IMO U.N. NUMBER: UN 2800

IMO LABEL: CORROSIVE

IMO VESSEL STOWAGE: A

Ems # - F-A, S-B

Lead-Acid Rechargeable Battery as per IMDG SP.238. And NON-DG Shipment

IATA PROPER SHIPPING NAME: Batteries, wet, non-spillable

IATA U.N. CLASS: 8

when

IATA U.N. NUMBER: UN 2800

IATA LABEL: CORROSIVE

ERG Code - 8L

OR

Excepted from the requirements because batteries have passed the vibration and pressure differential performance tests, and ruptured case test for nonspillable designation. And, packaged for transport, the terminals are protected from short circuit.

SECTION 15 - REGULATORY INFORMATION

U.S. HAZARDOUS UNDER HAZARD COMMUNICATION STANDARD:

LEAD - YES
ARSENIC - YES
SULFURIC ACID - YES

INGREDIENTS LISTED ON TSCA INVENTORY:

YES

CERCLA SECTION 304 HAZARDOUS SUBSTANCES:

LEAD - YES
ARSENIC - YES
SULFURIC ACID - YES

RQ: N/A*
RQ: 1 POUND
RQ: 1000 POUNDS

* RQ: REPORTING NOT REQUIRED WHEN DIAMETER OF THE PIECES OF SOLID METAL RELEASED IS EQUAL TO OR EXCEEDS 100 μ m (micrometers).

EPCRA SECTION 302 EXTREMELY HAZARDOUS SUBSTANCE:

SULFURIC ACID - YES

EPCRA SECTION 313 TOXIC RELEASE INVENTORY:

LEAD - CAS NO: 7439-92-1
ARSENIC - CAS NO: 7440-38-2
SULFURIC ACID - CAS NO: 7664-93-9

SECTION 16 - OTHER INFORMATION

THE INFORMATION ABOVE IS BELIEVED TO BE ACCURATE AND REPRESENTS THE BEST INFORMATION CURRENTLY AVAILABLE TO US. HOWEVER, VISION BATTERY MAKES NO WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, WITH RESPECT TO SUCH INFORMATION, AND WE ASSUME NO LIABILITY RESULTING FROM ITS USE. USERS SHOULD MAKE THEIR OWN INVESTIGATIONS TO DETERMINE THE SUITABILITY OF THE INFORMATION FOR THEIR PARTICULAR PURPOSES. ALTHOUGH REASONABLE PRECAUTIONS HAVE BEEN TAKEN IN THE PREPARATION OF THE DATA CONTAINED HEREIN, IT IS OFFERED SOLELY FOR YOUR INFORMATION, CONSIDERATION AND INVESTIGATION. THIS MATERIAL SAFETY DATA SHEET PROVIDES GUIDELINES FOR THE SAFE HANDLING AND USE OF THIS PRODUCT; IT DOES NOT AND CANNOT ADVISE ON ALL POSSIBLE SITUATIONS, THEREFORE, YOUR SPECIFIC USE OF THIS PRODUCT SHOULD BE EVALUATED TO DETERMINE IF ADDITIONAL PRECAUTIONS ARE REQUIRED.

The data/information contained herein has been reviewed and approved for general release on the basis that this document contains no export-controlled information.



检测
CNAS L0748



NO. 1214040008

检 验 报 告

Test Report

样品名称： 阀控式密封铅酸蓄电池 CP1232S 12V 3.2AH

Name of Goods: Valve Regulated Lead Acid Battery

委托单位： 深圳市雄韬电源科技股份有限公司

Consignor: /



上海化工研究院检测中心

Shanghai Research Institute of Chemical Industry Testing Centre

上海化工研究院检测中心
检 验 报 告
SRICI Testing Centre Test Report

No. 1214040008

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样品名称 Name of Sample	中文 Chinese	阀控式密封铅酸蓄电池 CP1232S 12V 3.2AH		
	英文 English	Valve Regulated Lead Acid Battery		
样品编号 Sample No.	1214040008			
委托单位 Consignor	深圳市雄韬电源科技股份有限公司 /			
生产单位 Manufacturer	深圳市雄韬电源科技股份有限公司 /			
检验方法 Test Method	联合国 关于危险货物运输的建议书 规章范本 (17th) ST/SG/AC.10/1/Rev.17 3.3章的特殊规定238 UNITED NATIONS Recommendations on the TRANSPORT OF DANGEROUS GOODS Regulations (17th)ST/SG/AC.10/1/Rev.17 Chapter 3.3 SPECIAL PROVISIONS 238			
判定标准 Criterion	联合国 关于危险货物运输的建议书 规章范本 (17th) ST/SG/AC.10/1/Rev.17 3.3章的特殊规定238 UNITED NATIONS Recommendations on the TRANSPORT OF DANGEROUS GOODS Regulations (17th)ST/SG/AC.10/1/Rev.17 Chapter 3.3 SPECIAL PROVISIONS 238			
样品外观 Appearance	黑色 塑胶外壳 Black Plastics cement shell			
样品接受日期 Accepted Date	2014-04-30		检测起始日期 Test Date	2014-05-04 — 2014-05-07
检测项目 Test Items	振动试验;压差试验;55℃漏液试验 Vibration test,Pressure differential test,Leakage test at 55℃			
检验结论 Conclusion	受检样品通过所有项目检测,检测结果合格。 The sample has passed all of the testing items 生效日期(Date): 2014-05-09			
备注 Remark	无。None.			
委托单位地址 Consignor Address	/		邮政编码 Post Code	518120

批准
Approver:
职务
Title:

张小明
审核
Checker:
总工程师(Vice chief engineer)

编制
Compiler:

夏洁

上海化工研究院检测中心 检 验 报 告

SRICI Testing Centre Test Report

No. 1214040008

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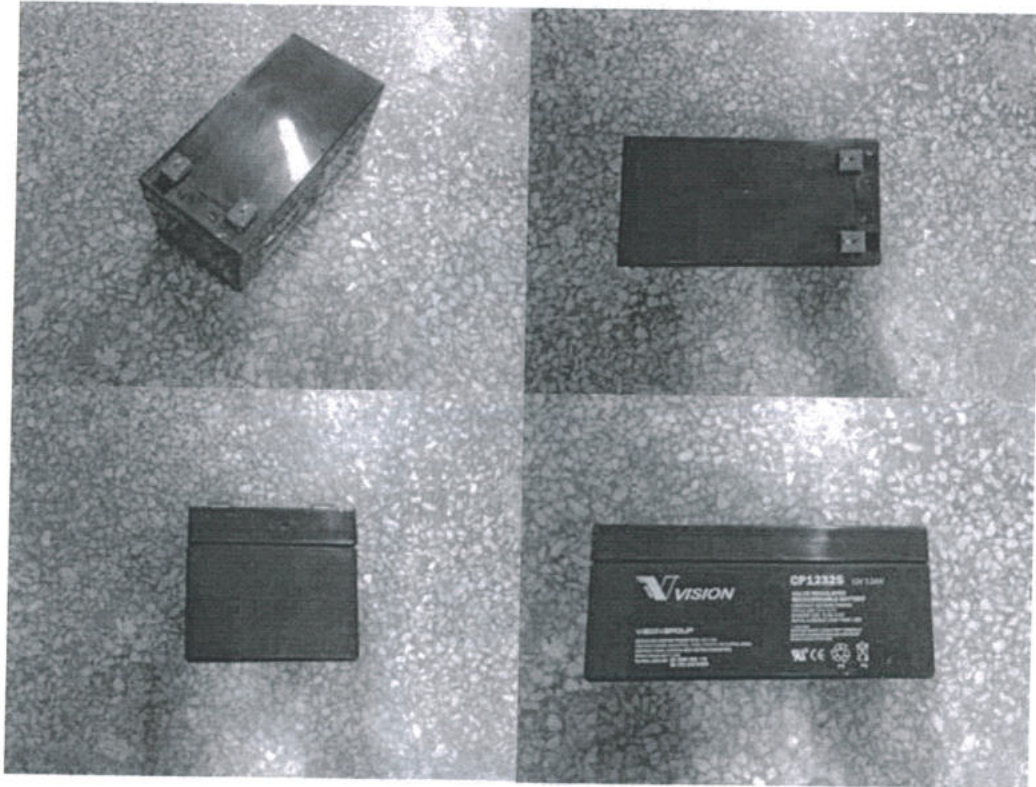
Page 2 of 3

序号 No	检验项目名称 Name of Test Items	标准要求或标准条款号 Standard requirement or The Clause Number of Standard	检测结果 Test Result	本项结论 Conclusion	备注 Remark
1	振动试验 Vibration test	规章范本 (17th) UN2800的 特殊规定238(a) UN Model Regulations Chapter 3.3 SPECIAL PROVISIONS 238(a)	无漏液。 None leakage of battery fluid.	合格。 Passed.	/
2	压差试验 Pressure differential test	规章范本 (17th) UN2800的 特殊规定238(a) UN Model Regulations Chapter 3.3 SPECIAL PROVISIONS 238(a)	无漏液。 None leakage of battery fluid.	合格。 Passed.	/
3	55℃漏液试验 Leakage test at 55℃	规章范本 (17th) UN2800的 特殊规定238(b) UN Model Regulations Chapter 3.3 SPECIAL PROVISIONS 238(b)	无漏液且无可见液体流 动。 None leakage of battery fluid and there is no free liquid to flow.	合格。 Passed.	/
4	以下空白 This space intentionally left blank				
5					
检验环境条件 Test Environment Condition		环境温度:18℃-20℃;环境湿度:/% Ambient temperature:18℃-20℃;Ambient humidity:/%			
分包检验情况 Subcontracted Test Condition		检验项目 Test Item	/		
		分包实验室 Subcontracted Laboratory	名称 Name	/	邮编 Post Code
			地址 Address	/	电话 Tel

上海化工研究院检测中心
检 验 报 告
SRICI Testing Centre Test Report

No. 1214040008

第 3 页 共 3 页
Page 3 of 3



CP1232S **12V 3.2AH**



Shipper
A. HARTRODT DEUTSCHLAND
(GMBH & CO) KG
RECHA-LUEBKE-DAMM 31
20097 HAMBURG
GERMANY

B/L No.
VER283066 - A



SACO SHIPPING LINE LTD

SACO SHIPPING LINE LIMITED
44, Kroytser
PANORAMA Residence
Block A, Flat 01
3120 Limassol CYPRUS
FMC Organization No. 025875

6/03/HAM/165818

Copy

Consigned to order of

A. HARTRODT MEXICO S.A. DE C.V.
RFC: AHM0810275D8
AV. INSURGENTES SUR 800, FLOOR 9
C.P. 03100. CIUDAD DE MEXICO
MEXICO

Notify Party and address

A. HARTRODT MEXICO S.A. DE C.V.
RFC: AHM0810275D8
AV. INSURGENTES SUR 800, FLOOR 9
C.P. 03100. CIUDAD DE MEXICO
MEXICO

		Place of receipt HAMBURG CFS	
Ocean vessel MAERSK FELIXSTOWE 610W		Port of loading HAMBURG	
Port of discharge VERACRUZ	Place of delivery VERACRUZ CFS	Freight payable FREIGHT PREPAID	Number of original Bills of Lading 0/ZERO
Marks and Nos. HD 5002667859 MRI / HOSPITALES ANGELES MEXICO D.F. / MEXICO NR 1-5	Quantity of Goods 5 PALLETS	Description of Goods MEDICAL EQUIPMENT HS CODE: 90189060 S.P. 238	Said to contain Gross weight, kg. 1130,000 Measurement, m ³ 10,754

STOWED INTO CONTAINER NO.: CAAU8324216

SEAL : B136383

3001352148 2 PACKAGES

SAFETY EQUIPMENT
HS CODE: 90200090
84142080, 84213925,
90279000, 85044060,
65061010, 90271010,
39269097, 39173300,
63079098, 90279000

290,000 2,696

STOWED INTO CONTAINER NO.: MRKU2094553

SEAL : B136386

TOTAL 7 PACKAGES 1420,000 KGS 13,450 CBM

FREIGHT PREPAID - SHIPPED ON BOARD - EXPRESS RELEASE

All particulars above declared by Merchant

For delivery of cargo please apply to:

INTERTEAM, S.A. DE C.V.
SERVICIOS INTERNACIONALS DE
COMERCIO, COLIMA 114 DESPACHO 201,
COLONIA ROMA, C.P. 06700 MEXICO D.F.
TEL:005255146915, FAX:005252087989
DANIELA.BORJA@INTERTEAM.COM.MX

Declared Value of the Goods (see clause 12)
US\$
Ad valorem freight paid:

Note:

The Merchant's attention is called to the fact that according to Clauses 11 to 13 of this Bill of Lading, the liability of the Carrier is, in most cases, limited in respect of loss of or damage to the goods and delay

RECEIVED for shipment the above mentioned Goods in apparent good order and condition as far as could be ascertained by exercising reasonable means of checking or as stated above.

The Carrier in accordance with the provisions contained on this side and on the reverse side of this document;

- undertakes to perform or to procure the performance of the entire transport from the place at which the Goods are taken in charge to the place designated for delivery in this document, and
- assumes liability as prescribed in this document for such transport.

One of the Bills of Lading to be surrendered duly endorsed in exchange for the Goods or delivery order.

IN WITNESS whereof three (3) original Bills of Lading have been signed, if not otherwise stated above, one of which being accomplished the other(s) to be void.

Place and date of issue
HAMBURG 15.03.2026

Signed on behalf of the Carrier SACO SHIPPING LINE LIMITED

SACO Shipping GmbH
Wollkämmerstraße 1
21107 Hamburg
Germany



As agent only for SACO SHIPPING LINE LIMITED LIMASSOL



Shipper
QCS-QUICK CARGO SERVICE GMBH
WERNER-WITT-STRASSE 5
21035 HAMBURG, GERMANY
TAX-ID:DE114202533
TELEPHONE: 00494023838940

B/L No.
VER283113



SACO SHIPPING LINE LTD

SACO SHIPPING LINE LIMITED

44, Kroytser
PANORAMA Residence
Block A, Flat 01
3120 Limassol CYPRUS
FMC Organization No. 025875

6/03/HAM/165825

Copy

Consigned to order of
AIRMAR TRANSPORTES INTERNACIONALES
S.A. DE C.V. NORTE 174, NO. 549,
COL PENSADOR MEXICANO 15510 MEXICO,
CMX MEXICO TAX ID: ATI 9307029F8
TEL: 52.55.19.99.90.00

Notify Party and address
AIRMAR TRANSPORTES INTERNACIONALES
S.A. DE C.V. NORTE 174, NO. 549,
COL PENSADOR MEXICANO 15510 MEXICO,
CMX MEXICO TAX ID: ATI 9307029F8
TEL: 52.55.19.99.90.00

		Place of receipt HAMBURG CFS	
Ocean vessel MAERSK FELIXSTOWE 610W		Port of loading HAMBURG	
Port of discharge VERACRUZ	Place of delivery VERACRUZ CFS		Freight payable VERACRUZ
		Number of original Bills of Lading 0/ZERO	
Marks and Nos. SCHERDEL WIESAUPLAST KNIPPING AUTOMOTIVE DN 12906842	Quantity of Goods 1 PALLET	Description of Goods BRAKE PARTS AS PER INVOICE: 13091753 HS-CODE: 870830	Said to contain Gross weight, kg. 175,920 Measurement, m ³ 0,902

STOWED INTO CONTAINER NO.: CAAU8324216

SEAL : B136383

TOTAL **1 PALLET** **175,920 KGS** **0,902 CBM**

FREIGHT COLLECT - SHIPPED ON BOARD - EXPRESS RELEASE

All particulars above declared by Merchant

For delivery of cargo please apply to:

INTERTEAM, S.A. DE C.V.
SERVICIOS INTERNACIONALS DE
COMERCIO, COLIMA 114 DESPACHO 201,
COLONIA ROMA, C.P. 06700 MEXICO D.F.
TEL: 005255146915, FAX: 005252087989
DANIELA.BORJA@INTERTEAM.COM.MX

Declared Value of the Goods (see clause 12)
US\$
Ad valorem freight paid:

Note:

The Merchant's attention is called to the fact that according to Clauses 11 to 13 of this Bill of Lading, the liability of the Carrier is, in most cases, limited in respect of loss of or damage to the goods and delay

RECEIVED for shipment the above mentioned Goods in apparent good order and condition as far as could be ascertained by exercising reasonable means of checking or as stated above.

The Carrier in accordance with the provisions contained on this side and on the reverse side of this document;

- undertakes to perform or to procure the performance of the entire transport from the place at which the Goods are taken in charge to the place designated for delivery in this document, and
- assumes liability as prescribed in this document for such transport.

One of the Bills of Lading to be surrendered duly endorsed in exchange for the Goods or delivery order.

IN WITNESS whereof three (3) original Bills of Lading have been signed, if not otherwise stated above, one of which being accomplished the other(s) to be void.

Place and date of issue
HAMBURG 15.03.2026

Signed on behalf of the Carrier SACO SHIPPING LINE LIMITED

SACO Shipping GmbH
Wollkämmerstraße 1
21107 Hamburg
Germany



As agent only for SACO SHIPPING LINE LIMITED LIMASSOL



This product is a consumer product which is used in a hermetically sealed state. So, it is not an object of the SDS system. This document is provided to customers as reference information for the safe handling of the product. The information and recommendations set forth are made in good faith and are believed to be accurate at the date of preparation. Panasonic Corporation makes no warranty expressed or implied.

PRODUCT SAFETY DATA SHEET

1 Chemical product and company identification

Name of Product : Manganese dioxide lithium battery
Name of Company : Panasonic Corporation
Address : 1-1 Matsushita-cho, Moriguchi-city, Osaka, 570-8511, Japan
Emergency Contact : +81-6-6994-4560 (Working hours)
+81-6-6991-1141 (Holiday)

2 Hazards identification

GHS Classification : Not applicable
Toxicity : Vapor generated from burning batteries, may irritate eyes, skin and throat.
Hazard : Electrolyte and lithium metal are inflammable.
Risk of explosion by fire if batteries are disposed in fire or heated above 105 degrees C for CR2450A, 120 degrees C for CR2032B and CR2050B2, and 125 degrees C for CR2032A and CR2050A.
Stacking or jumbling batteries may cause external short circuits, heat generation, fire or explosion.

3 Composition/information of ingredients

Component	Material	CAS No.	Content (%)
Positive electrode	Manganese dioxide	1313-13-9	12 – 50
Negative electrode	Lithium metal	7439-93-2	0.5 – 6
Electrolyte	1,2-dimethoxyethane	110-71-4	1.5 - 3.5
	Lithium Perchlorate	7791-03-9	0.2 - 0.7
	Organic electrolyte	-	2.5 – 7
Others (Steel or Plastic parts)	Steel	7439-89-6, 7440-47-3	30 – 85
	Polypropylene	9003-07-0	0.5 – 10

Lithium content per cell

Model Number	Lithium content(g)	Model Number	Lithium content(g)	Model Number	Lithium content(g)	Model Number	Lithium content(g)
CR2032A	0.06	CR2050A	0.10	CR2450A	0.16		
CR2032B	0.06	CR2050B2	0.10				

4 First aid measures (in case of electrolyte leakage from the battery)

- Eye contact : Flush the eyes with plenty of clean water for at least 15 minutes immediately, without rubbing. Get immediate medical treatment. If appropriate procedures are not taken, this may cause eye injury.
- Skin contact : Wash the affected area under tepid running water using a mild soap. If appropriate procedures are not taken, this may cause sores on the skin. Get medical attention if irritation develops or persists.
- Inhalation : Remove to fresh air immediately. Get medical treatment immediately.

5 Firefighting measures

- Fire extinguishing agent : Alcohol-resistant foam and dry sand are effective.
- Extinguishing method : Be sure on the windward to extinguish the fire, since vapor may make eyes, nose and throat irritate, Wear the respiratory protection equipment in some cases.

6 Accidental release measures (in case of electrolyte leakage from the battery)

- Take up with absorbent cloth, treat cloth as inflammable.
- Move the battery away from the fire.

7 Handling and storage

- Handling : When packing the batteries, do not allow battery terminals to contact each other, or contact with other metals. Be sure to pack batteries by providing partitions in the packaging box, or in a separate plastic bag so that the single batteries are not mixed together.
- Use strong material for packaging boxes so that they will not be damaged by vibration, impact, dropping and stacking during their transportation.
- Do not short-circuit, recharge, deform, throw into fire or disassemble.
- Do not mix different type of batteries.
- Do not solder directly onto batteries.
- Insert the battery correctly in electrical equipment.
- Storage : Do not let water penetrate into packaging boxes during their storage and transportation.
- Do not store the battery in places of the high temperature or under direct sunlight.
- Please also avoid the places of high humidity. Be sure not to expose the battery to condensation, rain or frozen condition

8. Exposure controls and personal protection

Acceptable concentration : Not specified about Lithium Battery.
Facilities : Nothing in particular.

Protective Equipment (in case of electrolyte leakage from the battery)

Respiratory Protection : For most condition no respiratory protection.
Hand Protection : Safety gloves.
Eye Protection : Safety goggle

9. Physical and chemical properties

Appearance : Coin shape
Nominal Voltage : 3 V

10. Stability and reactivity

Since batteries utilize a chemical reaction they are actually considered a chemical product.

As such, battery performance will deteriorate over time even if stored for a long period of time without being used. In addition, the various usage conditions such as discharge, ambient temperature, etc. are not maintained within the specified ranges the life expectancy of the battery may be shortened or the device in which the battery is used may be damaged by electrolyte leakage.

11. Toxicological information

Swallowing can lead to chemical burns, perforation of soft tissue, and death. Severe burns can occur within 2 hours of ingestion. Seek medical attention immediately.

12. Ecological information

In case of the worn out battery was disposed in land, the battery case may be corroded, and leak electrolyte. However, there is no environmental impact information.

Mercury (Hg), Cadmium (Cd) and Lead (Pb) are not used in cell.

13. Disposal considerations

When the battery is worn out, dispose of it under the ordinance of each local government.

14. Transport information

Handling

During the transportation of a large amount of batteries by ship, trailer or railway, do not leave them in the places of high temperatures and do not allow them to be exposed to condensation.

During the transportation do not allow packages to be dropped or damaged.

UN Number, UN Class : UN3090, Class9 (for the Air transport by PI968 Section IA or IB)
: Exemption (for the Marine transport and the Air transport by Section II of PI 968, 969 or 970)
Even though the cells are classified as lithium metal batteries (UN3090 or UN3091), they are not subject to some requirements of Dangerous Goods Regulations because they meet the following:

1. for cells, the lithium content is not more than 0.3g ;
2. each cell is of the type proven to meet the requirements of each test

- in the UN Manual of Tests and Criteria, Part II, sub-section 38.3 ;
3. each cell is manufactured in ISO9001 certified factory ;
4. the test summary is available from ;

<https://industrial.panasonic.com/ww/downloads/battery-test-summary>

Please refer to the following reference information about concrete ways of transportation. Actual content of packaging label and shipping documents varies by shipping companies. Make sure to confirm in advance with your shipping company.

Information of reference

	Reference	Packing Instruction(PI)/ Special provision(SP)	Note
Air transport	IATA DGR	PI 968 Section II A	Cells, Cargo Aircraft only; Net quantity per package Max. 35kg
		PI 968 Section II B	Cells, Cargo Aircraft only; net quantity per package Max. 2.5kg
		PI 968 Section II	Cells, Cargo Aircraft only, not more than one package in any single consignment; net quantity per package Max. 2.5kg
		PI 969 Section II	Cells packed with equipment
		PI 970 Section II	Cells contained in equipment, button cell batteries
Marine transport	IMDG Code	SP 188	

15. Regulatory information

- IATA Dangerous Goods Regulations Edition 62 (IATA DGR)
- IMO International Maritime Dangerous Goods Code 2018 Edition (IMDG Code)
- UN Recommendations on the Transportation of Dangerous Goods, Model Regulations
- UN Recommendations on the Transportation of Dangerous Goods, Manual of Tests and Criteria
- EU Battery Directive (2006/66/EC, 2013/56/EU)
- Regulation (EC) No. 1907/2006 on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH)
- State of California Regulations - Best management practices for Perchlorate Materials
- Act on Preventing Environmental Pollution of Mercury (Japan)

16. Other information

This PSDS is provided to customers as reference information in order to handle batteries safely.

It is necessary for the customer to take appropriate measures depending on the actual situation such as the individual handling, based on this information.

In California only, packages that contain CR lithium coin cells and the Owners/Operating Instructions of products that contain CR lithium coin cells must include the following statement:

"Perchlorate Material - special handling may apply,

See <http://www.dtsc.ca.gov/hazardouswaste/perchlorate>".

The effective date for this Perchlorate label is July 1, 2006 for non-consumer products and January 1, 2007 for consumer products.

Test Summary according UN38.3

We, Huf Baolong Electronics Bretten GmbH, hereby confirm the manufacturers test summary according UN38.3 of the battery cell listed below:

BH SENS p/n	Cell Manufacturer	Cell Type
1538.200.024	Panasonic Corporation	CR2032A

This cell type is installed in our equipment listed below:

Equipment P/N	Designation	Customer P/N
0532.214.047	TPMS Sensor S6.22 433 MHz	41990-36100

Attached documents:

- Equipment manufacturer test summary and supplier inquiry (3 pages)
- Cell manufacturer test summary (1 page)

Place and date of issue: Bretten, 09-Jan-2020



(signature)

Peter Banaskewitz
Supplier Quality Development



(signature)

Ralf Kessler
CTO

LITHIUM CELL TEST SUMMARY AND SUPPLIER INQUIRY
IN ACCORDANCE WITH SUB-SECTION 38.3
OF MANUAL OF TESTS AND CRITERIA

N/A = Not Applicable

1. Name/Description of cell
CR2032A

2. Manufacturer of cell
Name Panasonic Corporation
Address 1-1 Matsushita-cho, Moriguchi City, Osaka 570-8511, Japan
Phone +81-6-6994-4560
Email un38.3_microbattery@ml.jp.panasonic.com
Website https://www.panasonic.com/global/home.html

2a. Manufacturer of the equipment (if the cell is contained in equipment)
Name Huf Baolong Electronics Bretten GmbH
Address Gewerbestr. 40, 75015 Bretten, Germany
Phone +49 7252 970 0
Email info@bh-sens.com
Website https://www.bh-sens.com

3. Test laboratory of cell
Name Panasonic Corporation
Address 1-1 Matsushita-cho, Moriguchi City, Osaka 570-8511, Japan
Phone +81-6-6994-4560
Email un38.3_microbattery@ml.jp.panasonic.com
Website https://www.panasonic.com/global/home.html

4. ID-number and date
Unique test report identification number CP0039-3
Date of test report 26-Jul-2018

DESCRIPTION OF CELL

5. Mark the type of cell with an "x"
☐ Lithium ion cell
☒ Lithium metal cell

LITHIUM CELL TEST SUMMARY AND SUPPLIER INQUIRY
IN ACCORDANCE WITH SUB-SECTION 38.3
OF MANUAL OF TESTS AND CRITERIA

Name/Description of cell (taken from field 1)	
CR2032A	

6. Parameters	Cell
Mass in gram (g):	2.9
Lithium ion: Indicate watt-hour rating (Wh):	N/A
Lithium metal: Indicate lithium metal content in gram (g):	0.06

7. Physical description of cell
Button Cell, Ø 20 mm x h 5.0 mm

8. Model numbers
CR2032A
Equipment p/n: see cover letter

TESTS AND RESULTS

9. List of tests conducted and results - Mark N/A, pass or fail with an "x"	N/A	pass	fail
T1 - Altitude simulation	☐	☒	☐
T2 - Thermal Test	☐	☒	☐
T3 - Vibration	☐	☒	☐
T4 - Shock	☐	☒	☐
T5 - External Short Circuit	☐	☒	☐
T6 - Impact - for cylindrical cells having a diameter of at least 18 mm	☐	☒	☐
T6 - Crush - for prismatic cells, pouch cells, button cells and cylindrical cells having a diameter of less than 18 mm	☒	☐	☐
T7 - Overcharge	☒	☐	☐
T8 - Forced Discharge	☐	☒	☐
	☐	☐	☐
	☐	☐	☐

10. Reference to the revised edition of the Manual of Tests and Criteria used and to amendments thereto
UN Manual of Tests and Criteria 5th Amendment 2 and 6th edition

LITHIUM CELL TEST SUMMARY AND SUPPLIER INQUIRY

IN ACCORDANCE WITH SUB-SECTION 38.3
OF MANUAL OF TESTS AND CRITERIA

Name/Description of cell (taken from field 1)

CR2032A

ADDITIONAL SUPPLIER INQUIRY

11. Quality management system for manufacturing cells Does the manufacturer of the cell/battery manufacture the products based on a documented quality management system according to transport regulations?	☒ YES	☐ NO
---	--------------------------------------	--------------------------

12. Are the following parameters exceeded? Lithium ion cell: more than 20 Wh Lithium metal cell: more than 1 g Lithium	☐ YES	☒ NO
--	---------------------------	-------------------------------------

Check point 13 – 15 need to be answered when 12 has been ticked "YES":

13. Does each cell incorporate a safety venting device or is designed to preclude a violent rupture under normal conditions of carriage?	☐ YES	☒ NO
14. Is each cell equipped with an effective means of preventing external short circuits?	☒ YES	☐ NO
15. Is each battery containing cells or series of cells connected in parallel equipped with effective means as necessary to prevent dangerous reverse current flow (e.g. diodes, fuses, etc.)	Not relevant for cells	☐ N/A

16. Only in air transport: State of Charge (SOC) for UN 3480 Lithium ion cells and lithium polymer cells State of Charge (SOC) max 30 %	☒ N/A	☐ YES	☐ NO
--	--------------------------------------	---------------------------	--------------------------

CELLS INSTALLED IN EQUIPMENT

17. Check point 17 needs to be answered when the cells are installed in articles:				
17 a) Only button cells enclosed?	☒ YES	☐ NO		
17 b) Number of enclosed cells (other than button cells) per equipment	0			
When the equipment is intentionally active/switched on during transport e.g. data loggers:				
17 c) Confirmation that no dangerous amount of heat is emitted from the equipment	☐ N/A	☒ YES	☐ NO	
17 d) Confirmation that the equipment when transported by air fulfills the defined air transport standards for electromagnetic radiation according to DO-160	☐ N/A	☒ YES	☐ NO	

18. Place, Date	19. Title, Surname, First name	20. Company stamp and signature
Bretten, 25-Feb-2020	Peter Banaskewitz, Supplier Quality Ralf Kessler, CTO	



Huf Baolong Electronics Bretten GmbH
Gewerbestraße 40
75015 Bretten-Gölschhausen



Lithium Battery Test Summary □ UN 38B 試験結果要約

Product manufacturer	Panasonic Corporation
Address住所	1 Matsushita-cho Origuchi City Osaka 5708511 Japan
Telephone電話番号	081669944560
e-mail	un38Bmicrobattery@ip.panasonic.com
URL	https://www.panasonic.com/global/home.html
Test laboratory	Panasonic Corporation
Address住所	1 Matsushita-cho Origuchi City Osaka 5708511 Japan
Telephone電話番号	081669944560
e-mail	un38Bmicrobattery@ip.panasonic.com
URL	https://www.panasonic.com/global/home.html

Description of Product □ 製品情報

Model Number品番	CR2032A
Typeタイプ	Lithium metal cell
Physical description物理特性	Non-rechargeable Coin
Mass質量	2.9 g
Lithium contentリチウム含有量	0.06 g
Watt-hour ratingワット時定格値	Not applicable
Nominal Voltage公称電圧	3.0 V
Nominal Capacity公称容量	210 mAh

Test Results □ 結果

Identification number番号	CP0039B
Date of test reportレポート発行日	201807026
Reference edition参照	UN Manual of Tests and Criteria 5th Amendment 2 and 6th edition

UN Manual of Tests and Criteria 国連勧告テスト判定基準	Results 結果	Remarks 備考
T1 □ Altitude simulation □ 高度シミュレーション	Pass □ 合格	
T2 □ Thermal Test □ 温度試験	Pass □ 合格	
T3 □ Vibration □ 振動	Pass □ 合格	
T4 □ Shock □ 衝撃	Pass □ 合格	
T5 □ External short circuit □ 外部短絡	Pass □ 合格	
T6 □ Impact □ 衝突、Crush □ 圧壊	Pass □ 合格	Crush □ 圧壊
T7 □ Overcharge □ 過充電	□	for rechargeable batteries only □ 充電式電池のみ
T8 □ Forced discharge □ 強制放電	Pass □ 合格	

Hereby we certify that this model of Lithium battery meets the requirements of each test in the UN Manual of Tests and Criteria Part III subSection 38B □
 上記テストは国連勧告テスト Manual of Tests and Criteria Part III subSection 38B □ に従い確認された結果であることを証明致します。

Signature □



Name and Title □ Kazuyuki Amano □ Manager
 Energy Device Business Division

Shipper
HUF BAOLONG
ELECTRONICS BRETEN GMBH
GEWERBESTRASSE 40
75015 BRETEN
GERMANY

B/L No.
VER283170



SACO SHIPPING LINE LTD

SACO SHIPPING LINE LIMITED
44, Kroytser
PANORAMA Residence
Block A, Flat 01
3120 Limassol CYPRUS
FMC Organization No. 025875

6/03/HAM/165852

Copy

Consigned to order of
TRUCK & WHEEL AUTOMOTIVE
PARQUE DE PROVEEDORES JIS 2
75010 SAN JOSE CHIAPA, PUEBLA
MEXIKO RFC:TWM140508D82
PH: +522227093832
HECTOR.GARCIA@TW-AUTOMOTIVE.COM

Notify Party and address
TRUCK & WHEEL AUTOMOTIVE
PARQUE DEPROVEEDORES JIS 2
75010 SAN JOSE CHIAPA, PUEBLA
MEXIKO RFC:TWM140508D82
PH: +522227093832
HECTOR.GARCIA@TW-AUTOMOTIVE.COM

		Place of receipt BRETEN			
Ocean vessel MAERSK FELIXSTOWE 610W			Port of loading HAMBURG		
Port of discharge VERACRUZ			Place of delivery PUEBLA DAP	Freight payable FREIGHT PREPAID	Number of original Bills of Lading 0/ZERO
Marks and Nos. 533335 97973525 532976 97962125	Quantity of Goods 3	PLLETS	Description of Goods CAR PARTS HS CODE: 90262020 DEL.: 86783401 86766091 INV.: 97973525 97962125	Said to contain	Gross weight, kg. 960,000 Measurement, m ³ 4,325

STOWED INTO CONTAINER NO.: CAU8324216

SEAL : B136383

TOTAL 3 PLLETS 960,000 KGS 4,325 CBM

FREIGHT PREPAID - SHIPPED ON BOARD - EXPRESS RELEASE

All particulars above declared by Merchant

For delivery of cargo please apply to:

INTERTEAM, S.A. DE C.V.
SERVICIOS INTERNACIONALS DE
COMERCIO, COLIMA 114 DESPACHO 201,
COLONIA ROMA, C.P. 06700 MEXICO D.F.
TEL: 005255146915, FAX: 005252087989
DANIELA.BORJA@INTERTEAM.COM.MX

Declared Value of the Goods (see clause 12)
US\$
Ad valorem freight paid:

Note:

The Merchant's attention is called to the fact that according to Clauses 11 to 13 of this Bill of Lading, the liability of the Carrier is, in most cases, limited in respect of loss of or damage to the goods and delay

RECEIVED for shipment the above mentioned Goods in apparent good order and condition as far as could be ascertained by exercising reasonable means of checking or as stated above.

The Carrier in accordance with the provisions contained on this side and on the reverse side of this document;

- undertakes to perform or to procure the performance of the entire transport from the place at which the Goods are taken in charge to the place designated for delivery in this document, and
- assumes liability as prescribed in this document for such transport.

One of the Bills of Lading to be surrendered duly endorsed in exchange for the Goods or delivery order.

IN WITNESS whereof three (3) original Bills of Lading have been signed, if not otherwise stated above, one of which being accomplished the other(s) to be void.

Place and date of issue
HAMBURG 15.03.2026

Signed on behalf of the Carrier SACO SHIPPING LINE LIMITED

SACO Shipping GmbH
Wollkämmerstraße 1
21107 Hamburg
Germany



As agent only for SACO SHIPPING LINE LIMITED LIMASSOL





LCL IMPORT

Agent:	SACOSHIPINGGMBH	Contact:	BIRTE MEINS
e-mail:	birte.meins@saco.de	Phone:	
Incoterm:	DAP	Product:	FAK / Dry Cargo
Total Packages:	3	Estimated Cargo Value:	0.00
Chargeable Vol:	4.211	Volume:	4.211
		Stackable:	NO
		Total Gross weight:	960.00
		Dangerous:	NO

Dear:
The following quote applies only to the details provided (origin, destination, routing, weight, volume, type of commodity, etc.) If any of these concepts change the costs may vary, so it will be necessary to request an update of the quotation.

Movement type:	CFS to Door		
Delivery location:	Pueblo San José de Chiapa, San José Chiapa, Puebla, México	Land / Transit Time	3 DAYS
Port of Origin/Country:	HAMBURG, GERMANY	Port of Destination/Country:	VERACRUZ, MÉXICO
Via/ transshipment	DIRECT	Frequency/Transit Time:	17 DAYS

Dimensions in meters

No. of Packages	Length m	Width m	Height m	Volume	Weight per packageKgs	Total weight Kgs
3	1.14	1.14	1.08	4.211	320	960.000
3 Packages				4.211 m ³		960 Kgs

Destination charges

Concept	Currency	Rate	Unit	Subtotal	VAT	Amount
INLAND SERVICE COORDINATION (PICK UP AND DELIVERY)	USD	599.12		599.12	0.00	599.12
Total Destination charges: 599.12 USD						

SUBTOTAL	599.12 USD
(IVA / VAT)	0.00 USD
TOTAL	599.12 USD

VALIDITY: 2026-03-15
EXCHANGE RATE: 17.26

We thank you for your preference! In case you should have any questions, please do not hesitate to contact us.
Best regards.

Please consult here our online schedules
<https://intralogs.com.mx/itinerarios>



Quotation sent by: VJASSO
vanessa.jasso@interteam.com.mx
Office phone +52 +55 55149897
www.interteam.com.mx

Print Date: 2026/03/02 16:49:18

All contracted services with INTERTEAM, S.A. de C.V. are subject to the Standard Trading Conditions (STC) established by the Mexican Association of Freight Forwarders (AMACARGA) which can be found here: [STC y T&C](#)

1. THE CUSTOMER acknowledges that the operations carried out by INTERTEAM are subject to the Standard Trading Conditions (STC) prepared and published by the Asociación Mexicana de Agentes de Carga, A.C., except for the clauses relating to forms of payment and documentation delivery deadlines for the operation, which can be consulted on the following page: (Clause 13). However, the transportation document applicable to the operation and the terms and conditions of the operational documents sent by INTERTEAM will also be subject to the corresponding contract.
2. For the purposes of the STC, the term LOADING AGENT will be understood to refer to INTERTEAM as a service provider in its capacity of NVOCC (Non-Vessel Operating Common Carrier) (consolidator) and the term CUSTOMER will refer to freight agents or customers in general who request the service from INTERTEAM.
3. The clauses of the STC will be applicable in those cases that are consistent with the specific service contracted.
4. For the purposes of clause 17.4 of STC, THE CUSTOMER will have a maximum of 1 (one) day after the collection of the goods to deliver the necessary data, documents, and information for that specific service.
5. INTERTEAM may request additional documents to those indicated in clauses 17.4.1 to 17.4.6. of the STC.
6. The goods travel at the expense and risk of THE CUSTOMER and it will be solely responsible for contracting and accepting the terms and conditions of the insurance policy, even when the INCOTERM quoted includes insurance, it will be the responsibility of THE CUSTOMER to expressly request it.
7. THE CUSTOMER declares that it has sufficient legal resources to cover its obligations to INTERTEAM.
8. THE CUSTOMER will be required to immediately inform INTERTEAM of any instruction on the insurance policy contracted on its own so that it is fulfilled; otherwise, INTERTEAM will be released from any responsibility. Likewise, if INTERTEAM contracts the insurance policy, it will not be required to know the conditions of said policy, so any additional service indicated by the policy will be quoted separately and at the express request of THE CUSTOMER.
9. INTERTEAM is not responsible for delays in the delivery of goods since the delivery is made based on estimated delivery and arrival times.
10. THE CUSTOMER acknowledges that the conditions and form of payment will be determined in the quotation or, where appropriate, in accordance with the credit agreement granted by INTERTEAM.
11. The deadline to deliver the documentation of the operation will be up to 24 hours after the booking is made. Otherwise, if the change cannot be made or if there are delays, it will be the responsibility of THE CUSTOMER.
12. For DAP (Delivered-at-Place) services, in local transfers and to and from distribution centers (centros de distribución, CEDIS), THE CUSTOMER will be solely responsible for contracting the goods insurance.
13. INTERTEAM must send the invoice within a period of no more than 24 hours after receiving the customer's instructions; consequently, THE CUSTOMER will have a period of 24 hours to review and request clarification or corrections. Once this period has elapsed, THE CUSTOMER must pay the invoice within 72 hours after receiving the invoice.
14. All shipments are booked as stackable unless expressly mentioned otherwise. If THE CUSTOMER desires to change the shipment to NON-STACKABLE, it will be quoted again; any expense or delay that this request causes will be attributable to THE CUSTOMER.
15. THE CUSTOMER will be responsible for the damage caused to the container, so THE CUSTOMER must have an insurance policy that covers this type of loss.
16. THE CUSTOMER acknowledges that the process and delivery of VGM (Verified Gross Mass) (cargo weighing) will be mandatory to be able to ship its goods in the case of maritime transport.
17. If THE CUSTOMER has credit, and the service exceeds the limit granted, THE CUSTOMER must pay the total debt to proceed to releasing the goods; the foregoing, even if a part of the debt is subject to credit.
18. The pandemic caused by the SARS-COV-2 virus (COVID-19) has caused a shortage of containers, port congestion, lack of space, lag times and/or changes in itineraries, which can represent additional costs, such as delays, storage, etc., so INTERTEAM will NOT absorb for any reason the payment of any type of extra costs, since their origin is beyond INTERTEAM's control.
19. If the quoted service is a ROUTING ORDER of an INTERTEAM's counterparty, we inform you that charging for delays will apply in cases where the goods cannot be imported or exported.
20. INTERTEAM DOES NOT carry out procedures with warehouses or authorities of any kind in case the goods cannot be cleared through customs.
21. THE CUSTOMER is responsible for delivering the applicable customs information to comply with the issuance of the corresponding transfer-type CFDI (Comprobante Fiscal Digital por Internet, digital tax receipt).
22. The OF applies for the ship's departure date, if necessary, the ocean freight rate must be updated.
23. Inside CFS we have 15 days free of storage, after this period storages will run under the established rate. These are fixed charges.
24. Tariffs do not include: storage charges of any kind, maneuvers loading/unloading, demurrages, fumigation, palletization, packaging of any kind, inspections or any other extra charges not included on this tariff.

Shipper
QCS-QUICK CARGO SERVICE GMBH
WERNER-WITT-STRASSE 5
21035 HAMBURG, GERMANY
TAX-ID:DE114202533
TELEPHONE: 00494023838940

B/L No.
VER283210



SACO SHIPPING LINE LTD

SACO SHIPPING LINE LIMITED

44, Kroytser
PANORAMA Residence
Block A, Flat 01
3120 Limassol CYPRUS
FMC Organization No. 025875

6/03/HAM/165878

Copy

Consigned to order of
AIRMAR TRANSPORTES INTERNACIONALES
S.A. DE C.V. NORTE 174, NO. 549,
COL PENSADOR MEXICANO 15510 MEXICO,
CMX MEXICO TAX ID: ATI 9307029F8
TEL: 52.55.19.99.90.00

Notify Party and address
AIRMAR TRANSPORTES INTERNACIONALES
S.A. DE C.V. NORTE 174, NO. 549,
COL PENSADOR MEXICANO 15510 MEXICO,
CMX MEXICO TAX ID: ATI 9307029F8
TEL: 52.55.19.99.90.00

		Place of receipt HAMBURG CFS	
Ocean vessel MAERSK FELIXSTOWE 610W		Port of loading HAMBURG	
Port of discharge VERACRUZ		Place of delivery VERACRUZ CFS	Freight payable VERACRUZ
			Number of original Bills of Lading 0/ZERO
Marks and Nos. SIBO G. D.O.O. ALLTUB MEXICO	Quantity of Goods 10 PALLETS	Description of Goods PLASTIC CAPS AS PER INVOICE: 26530000856 HS-CODE: 392350	Said to contain Gross weight, kg. 3304,150 Measurement, m ³ 16,417

STOWED INTO CONTAINER NO.: CAAU8324216

SEAL : B136383

TOTAL **10 PALLETS** **3304,150 KGS** **16,417 CBM**

FREIGHT COLLECT - SHIPPED ON BOARD - EXPRESS RELEASE

All particulars above declared by Merchant

For delivery of cargo please apply to:

INTERTEAM, S.A. DE C.V.
SERVICIOS INTERNACIONALS DE
COMERCIO, COLIMA 114 DESPACHO 201,
COLONIA ROMA,C.P. 06700 MEXICO D.F.
TEL:005255146915,FAX:005252087989
DANIELA.BORJA@INTERTEAM.COM.MX

RECEIVED for shipment the above mentioned Goods in apparent good order and condition as far as could be ascertained by exercising reasonable means of checking or as stated above.

The Carrier in accordance with the provisions contained on this side and on the reverse side of this document;

- undertakes to perform or to procure the performance of the entire transport from the place at which the Goods are taken in charge to the place designated for delivery in this document, and
- assumes liability as prescribed in this document for such transport.

One of the Bills of Lading to be surrendered duly endorsed in exchange for the Goods or delivery order.

IN WITNESS whereof three (3) original Bills of Lading have been signed, if not otherwise stated above, one of which being accomplished the other(s) to be void.

Place and date of issue
HAMBURG 15.03.2026

Signed on behalf of the Carrier SACO SHIPPING LINE LIMITED

SACO Shipping GmbH
Wollkämmerstraße 1
21107 Hamburg
Germany



As agent only for SACO SHIPPING LINE LIMITED LIMASSOL



Declared Value of the Goods (see clause 12)
US\$
Ad valorem freight paid:

Note:

The Merchant's attention is called to the fact that according to Clauses 11 to 13 of this Bill of Lading, the liability of the Carrier is, in most cases, limited in respect of loss of or damage to the goods and delay

This product is a consumer product which is used in a hermetically sealed state. So, it is not an object of the SDS system. This document is provided to customers as reference information for the safe handling of the product. The information and recommendations set forth are made in good faith and are believed to be accurate at the date of preparation. Panasonic Corporation makes no warranty expressed or implied.

PRODUCT SAFETY DATA SHEET

1 Chemical product and company identification

Name of Product : Manganese dioxide lithium battery
Name of Company : Panasonic Corporation
Address : 1-1 Matsushita-cho, Moriguchi-city, Osaka, 570-8511, Japan
Emergency Contact : +81-6-6994-4560 (Working hours)
+81-6-6991-1141 (Holiday)

2 Hazards identification

GHS Classification : Not applicable
Toxicity : Vapor generated from burning batteries, may irritate eyes, skin and throat.
Hazard : Electrolyte and lithium metal are inflammable.
Risk of explosion by fire if batteries are disposed in fire or heated above 105 degrees C for CR2450A, 120 degrees C for CR2032B and CR2050B2, and 125 degrees C for CR2032A and CR2050A.
Stacking or jumbling batteries may cause external short circuits, heat generation, fire or explosion.

3 Composition/information of ingredients

Component	Material	CAS No.	Content (%)
Positive electrode	Manganese dioxide	1313-13-9	12 – 50
Negative electrode	Lithium metal	7439-93-2	0.5 – 6
Electrolyte	1,2-dimethoxyethane	110-71-4	1.5 - 3.5
	Lithium Perchlorate	7791-03-9	0.2 - 0.7
	Organic electrolyte	-	2.5 – 7
Others (Steel or Plastic parts)	Steel	7439-89-6, 7440-47-3	30 – 85
	Polypropylene	9003-07-0	0.5 – 10

Lithium content per cell

Model Number	Lithium content(g)	Model Number	Lithium content(g)	Model Number	Lithium content(g)	Model Number	Lithium content(g)
CR2032A	0.06	CR2050A	0.10	CR2450A	0.16		
CR2032B	0.06	CR2050B2	0.10				

4 First aid measures (in case of electrolyte leakage from the battery)

- Eye contact : Flush the eyes with plenty of clean water for at least 15 minutes immediately, without rubbing. Get immediate medical treatment. If appropriate procedures are not taken, this may cause eye injury.
- Skin contact : Wash the affected area under tepid running water using a mild soap. If appropriate procedures are not taken, this may cause sores on the skin. Get medical attention if irritation develops or persists.
- Inhalation : Remove to fresh air immediately. Get medical treatment immediately.

5 Firefighting measures

- Fire extinguishing agent : Alcohol-resistant foam and dry sand are effective.
- Extinguishing method : Be sure on the windward to extinguish the fire, since vapor may make eyes, nose and throat irritate, Wear the respiratory protection equipment in some cases.

6 Accidental release measures (in case of electrolyte leakage from the battery)

- Take up with absorbent cloth, treat cloth as inflammable.
- Move the battery away from the fire.

7 Handling and storage

- Handling : When packing the batteries, do not allow battery terminals to contact each other, or contact with other metals. Be sure to pack batteries by providing partitions in the packaging box, or in a separate plastic bag so that the single batteries are not mixed together.
- Use strong material for packaging boxes so that they will not be damaged by vibration, impact, dropping and stacking during their transportation.
- Do not short-circuit, recharge, deform, throw into fire or disassemble.
- Do not mix different type of batteries.
- Do not solder directly onto batteries.
- Insert the battery correctly in electrical equipment.
- Storage : Do not let water penetrate into packaging boxes during their storage and transportation.
- Do not store the battery in places of the high temperature or under direct sunlight.
- Please also avoid the places of high humidity. Be sure not to expose the battery to condensation, rain or frozen condition

8. Exposure controls and personal protection

Acceptable concentration : Not specified about Lithium Battery.
Facilities : Nothing in particular.

Protective Equipment (in case of electrolyte leakage from the battery)

Respiratory Protection : For most condition no respiratory protection.
Hand Protection : Safety gloves.
Eye Protection : Safety goggle

9. Physical and chemical properties

Appearance : Coin shape
Nominal Voltage : 3 V

10. Stability and reactivity

Since batteries utilize a chemical reaction they are actually considered a chemical product.

As such, battery performance will deteriorate over time even if stored for a long period of time without being used. In addition, the various usage conditions such as discharge, ambient temperature, etc. are not maintained within the specified ranges the life expectancy of the battery may be shortened or the device in which the battery is used may be damaged by electrolyte leakage.

11. Toxicological information

Swallowing can lead to chemical burns, perforation of soft tissue, and death. Severe burns can occur within 2 hours of ingestion. Seek medical attention immediately.

12. Ecological information

In case of the worn out battery was disposed in land, the battery case may be corroded, and leak electrolyte. However, there is no environmental impact information.

Mercury (Hg), Cadmium (Cd) and Lead (Pb) are not used in cell.

13. Disposal considerations

When the battery is worn out, dispose of it under the ordinance of each local government.

14. Transport information

Handling

During the transportation of a large amount of batteries by ship, trailer or railway, do not leave them in the places of high temperatures and do not allow them to be exposed to condensation.

During the transportation do not allow packages to be dropped or damaged.

UN Number, UN Class : UN3090, Class9 (for the Air transport by PI968 Section IA or IB)
: Exemption (for the Marine transport and the Air transport by Section II of PI 968, 969 or 970)
Even though the cells are classified as lithium metal batteries (UN3090 or UN3091), they are not subject to some requirements of Dangerous Goods Regulations because they meet the following:

1. for cells, the lithium content is not more than 0.3g ;
2. each cell is of the type proven to meet the requirements of each test

- in the UN Manual of Tests and Criteria, Part II, sub-section 38.3 ;
3. each cell is manufactured in ISO9001 certified factory ;
4. the test summary is available from ;
- <https://industrial.panasonic.com/ww/downloads/battery-test-summary>

Please refer to the following reference information about concrete ways of transportation. Actual content of packaging label and shipping documents varies by shipping companies. Make sure to confirm in advance with your shipping company.

Information of reference

	Reference	Packing Instruction(PI)/ Special provision(SP)	Note
Air transport	IATA DGR	PI 968 Section II A	Cells, Cargo Aircraft only; Net quantity per package Max. 35kg
		PI 968 Section II B	Cells, Cargo Aircraft only; net quantity per package Max. 2.5kg
		PI 968 Section II	Cells, Cargo Aircraft only, not more than one package in any single consignment; net quantity per package Max. 2.5kg
		PI 969 Section II	Cells packed with equipment
		PI 970 Section II	Cells contained in equipment, button cell batteries
Marine transport	IMDG Code	SP 188	

15. Regulatory information

- IATA Dangerous Goods Regulations Edition 62 (IATA DGR)
- IMO International Maritime Dangerous Goods Code 2018 Edition (IMDG Code)
- UN Recommendations on the Transportation of Dangerous Goods, Model Regulations
- UN Recommendations on the Transportation of Dangerous Goods, Manual of Tests and Criteria
- EU Battery Directive (2006/66/EC, 2013/56/EU)
- Regulation (EC) No. 1907/2006 on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH)
- State of California Regulations - Best management practices for Perchlorate Materials
- Act on Preventing Environmental Pollution of Mercury (Japan)

16. Other information

This PSDS is provided to customers as reference information in order to handle batteries safely.

It is necessary for the customer to take appropriate measures depending on the actual situation such as the individual handling, based on this information.

In California only, packages that contain CR lithium coin cells and the Owners/Operating Instructions of products that contain CR lithium coin cells must include the following statement:

"Perchlorate Material - special handling may apply,

See <http://www.dtsc.ca.gov/hazardouswaste/perchlorate>".

The effective date for this Perchlorate label is July 1, 2006 for non-consumer products and January 1, 2007 for consumer products.

Test Summary according UN38.3

We, Huf Baolong Electronics Bretten GmbH, hereby confirm the manufacturers test summary according UN38.3 of the battery cell listed below:

BH SENS p/n	Cell Manufacturer	Cell Type
1538.200.024	Panasonic Corporation	CR2032A

This cell type is installed in our equipment listed below:

Equipment P/N	Designation	Customer P/N
0532.214.047	TPMS Sensor S6.22 433 MHz	41990-36100

Attached documents:

- Equipment manufacturer test summary and supplier inquiry (3 pages)
- Cell manufacturer test summary (1 page)

Place and date of issue: Bretten, 09-Jan-2020



(signature)

Peter Banaskewitz
Supplier Quality Development



(signature)

Ralf Kessler
CTO

LITHIUM CELL TEST SUMMARY AND SUPPLIER INQUIRY
IN ACCORDANCE WITH SUB-SECTION 38.3
OF MANUAL OF TESTS AND CRITERIA

N/A = Not Applicable

1. Name/Description of cell
CR2032A

2. Manufacturer of cell
Name Panasonic Corporation
Address 1-1 Matsushita-cho, Moriguchi City, Osaka 570-8511, Japan
Phone +81-6-6994-4560
Email un38.3_microbattery@ml.jp.panasonic.com
Website https://www.panasonic.com/global/home.html

2a. Manufacturer of the equipment (if the cell is contained in equipment)
Name Huf Baolong Electronics Bretten GmbH
Address Gewerbestr. 40, 75015 Bretten, Germany
Phone +49 7252 970 0
Email info@bh-sens.com
Website https://www.bh-sens.com

3. Test laboratory of cell
Name Panasonic Corporation
Address 1-1 Matsushita-cho, Moriguchi City, Osaka 570-8511, Japan
Phone +81-6-6994-4560
Email un38.3_microbattery@ml.jp.panasonic.com
Website https://www.panasonic.com/global/home.html

4. ID-number and date
Unique test report identification number CP0039-3
Date of test report 26-Jul-2018

DESCRIPTION OF CELL

5. Mark the type of cell with an "x"
☐ Lithium ion cell
☒ Lithium metal cell

LITHIUM CELL TEST SUMMARY AND SUPPLIER INQUIRY
IN ACCORDANCE WITH SUB-SECTION 38.3
OF MANUAL OF TESTS AND CRITERIA

Name/Description of cell (taken from field 1)	
CR2032A	

6. Parameters		Cell
Mass in gram (g):		2.9
Lithium ion: Indicate watt-hour rating (Wh):		N/A
Lithium metal: Indicate lithium metal content in gram (g):		0.06

7. Physical description of cell	
Button Cell, Ø 20 mm x h 5.0 mm	

8. Model numbers	
CR2032A Equipment p/n: see cover letter	

TESTS AND RESULTS

9. List of tests conducted and results - Mark N/A, pass or fail with an "x"	N/A	pass	fail
T1 - Altitude simulation	☐	☒	☐
T2 - Thermal Test	☐	☒	☐
T3 - Vibration	☐	☒	☐
T4 - Shock	☐	☒	☐
T5 - External Short Circuit	☐	☒	☐
T6 - Impact - for cylindrical cells having a diameter of at least 18 mm	☐	☒	☐
T6 - Crush - for prismatic cells, pouch cells, button cells and cylindrical cells having a diameter of less than 18 mm	☒	☐	☐
T7 - Overcharge	☒	☐	☐
T8 - Forced Discharge	☐	☒	☐
	☐	☐	☐
	☐	☐	☐

10. Reference to the revised edition of the Manual of Tests and Criteria used and to amendments thereto
UN Manual of Tests and Criteria 5th Amendment 2 and 6th edition

LITHIUM CELL TEST SUMMARY AND SUPPLIER INQUIRY

IN ACCORDANCE WITH SUB-SECTION 38.3
OF MANUAL OF TESTS AND CRITERIA

Name/Description of cell (taken from field 1)
CR2032A

ADDITIONAL SUPPLIER INQUIRY

11. Quality management system for manufacturing cells Does the manufacturer of the cell/battery manufacture the products based on a documented quality management system according to transport regulations?	☒ YES	☐ NO
12. Are the following parameters exceeded? Lithium ion cell: more than 20 Wh Lithium metal cell: more than 1 g Lithium	☐ YES	☒ NO
Check point 13 – 15 need to be answered when 12 has been ticked "YES":		
13. Does each cell incorporate a safety venting device or is designed to preclude a violent rupture under normal conditions of carriage?	☐ YES	☒ NO
14. Is each cell equipped with an effective means of preventing external short circuits?	☒ YES	☐ NO
15. Is each battery containing cells or series of cells connected in parallel equipped with effective means as necessary to prevent dangerous reverse current flow (e.g. diodes, fuses, etc.)	Not relevant for cells	☐ N/A
16. Only in air transport: State of Charge (SoC) for UN 3480 Lithium ion cells and lithium polymer cells State of Charge (SoC) max 30 %		
☒ N/A	☐ YES	☐ NO

CELLS INSTALLED IN EQUIPMENT

17. Check point 17 needs to be answered when the cells are installed in articles:		
17 a) Only button cells enclosed?	☒ YES	☐ NO
17 b) Number of enclosed cells (other than button cells) per equipment	0	
When the equipment is intentionally active/switched on during transport e.g. data loggers:		
17 c) Confirmation that no dangerous amount of heat is emitted from the equipment	☐ N/A	☒ YES
17 d) Confirmation that the equipment when transported by air fulfills the defined air transport standards for electromagnetic radiation according to DO-160	☐ N/A	☐ YES

18. Place, Date	19. Title, Surname, First name	20. Company stamp and signature
Bretten, 25-Feb-2020	Peter Banaskewitz, Supplier Quality Ralf Kessler, CTO	



Huf Baolong Electronics Bretten GmbH
Gewerbestraße 40
75015 Bretten-Gölschhausen



Lithium Battery Test Summary □ UN 38B 試験結果要約

Product manufacturer	Panasonic Corporation
Address住所	1 Matsushita-cho Origuchi City Osaka 5708511 Japan
Telephone電話番号	081669944560
e-mail	un38Bmicrobattery@ip.panasonic.com
URL	https://www.panasonic.com/global/home.html
Test laboratory	Panasonic Corporation
Address住所	1 Matsushita-cho Origuchi City Osaka 5708511 Japan
Telephone電話番号	081669944560
e-mail	un38Bmicrobattery@ip.panasonic.com
URL	https://www.panasonic.com/global/home.html

Description of Product □ 製品情報

Model Number品番	CR2032A
Typeタイプ	Lithium metal cell
Physical description物理特性	Non-rechargeable Coin
Mass質量	2.9 g
Lithium contentリチウム含有量	0.06 g
Watt-hour ratingワット時定格値	Not applicable
Nominal Voltage公称電圧	3.0 V
Nominal Capacity公称容量	210 mAh

Test Results □ 結果

Identification number番号	CP0039B
Date of test reportレポート発行日	201807026
Reference edition参照	UN Manual of Tests and Criteria 5th Amendment 2 and 6th edition

UN Manual of Tests and Criteria 国連勧告テスト判定基準	Results 結果	Remarks 備考
T1 □ Altitude simulation □ 高度シミュレーション	Pass □ 合格	
T2 □ Thermal Test □ 温度試験	Pass □ 合格	
T3 □ Vibration □ 振動	Pass □ 合格	
T4 □ Shock □ 衝撃	Pass □ 合格	
T5 □ External short circuit □ 外部短絡	Pass □ 合格	
T6 □ Impact □ 衝突、Crush □ 圧壊	Pass □ 合格	Crush □ 圧壊
T7 □ Overcharge □ 過充電	□	for rechargeable batteries only □ 充電式電池のみ
T8 □ Forced discharge □ 強制放電	Pass □ 合格	

Hereby we certify that this model of Lithium battery meets the requirements of each test in the UN Manual of Tests and Criteria Part III subSection 38B.

上記テストは国連勧告テスト Manual of Tests and Criteria Part III subSection 38B に従い確認された結果であることを証明致します。

Signature □



Name and Title □ Kazuyuki Amano □ Manager

Energy Device Business Division

Shipper
HUF BAOLONG
ELECTRONICSBRETTE GMBH
GEWERBESTRASSE 40
75015 BRETTE
GERMANY

B/L No.
VER283215



SACO SHIPPING LINE LTD

SACO SHIPPING LINE LIMITED

44, Kroytser
PANORAMA Residence
Block A, Flat 01
3120 Limassol CYPRUS
FMC Organization No. 025875

6/03/HAM/165881

Copy

Consigned to order of

TRUCK & WHEEL AUTOMOTIVE
PARQUE DE PROVEEDORES JIS 2
75010 SAN JOSE CHIAPA, PUEBLA
MEXIKO RFC:TWM140508D82
PH: +522227093832
HECTOR.GARCIA@TW-AUTOMOTIVE.COM

Notify Party and address

TRUCK & WHEEL AUTOMOTIVE
PARQUE DE PROVEEDORES JIS 2
75010 SAN JOSE CHIAPA, PUEBLA
MEXIKO RFC:TWM140508D82
PH:+522227093832
HECTOR.GARCIA@TW-AUTOMOTIVE.COM

		Place of receipt			
		BRETTE			
Ocean vessel			Port of loading		
MAERSK FELIXSTOWE 610W			HAMBURG		
Port of discharge			Place of delivery	Freight payable	Number of original Bills of Lading
VERACRUZ			PUEBLA DAP	FREIGHT PREPAID	0/ZERO
Marks and Nos.	Quantity of Goods	Description of Goods	Said to contain	Gross weight, kg.	Measurement, m ³
533481 97977674	1 PALLET	CAR PARTS HS CODE: 90262020 DEL.: 86789979 INV.: 97977674		320,000	1,467

STOWED INTO CONTAINER NO.: CAU8324216

SEAL : B136383

TOTAL **1 PALLET** **320,000 KGS** **1,467 CBM**

FREIGHT PREPAID - SHIPPED ON BOARD - EXPRESS RELEASE

All particulars above declared by Merchant

For delivery of cargo please apply to:

INTERTEAM, S.A. DE C.V.
SERVICIOS INTERNACIONALES DE
COMERCIO, COLIMA 114 DESPACHO 201,
COLONIA ROMA, C.P. 06700 MEXICO D.F.
TEL: 005255146915, FAX: 005252087989
DANIELA.BORJA@INTERTEAM.COM.MX

Declared Value of the Goods (see clause 12)
US\$
Ad valorem freight paid:

Note:

The Merchant's attention is called to the fact that according to Clauses 11 to 13 of this Bill of Lading, the liability of the Carrier is, in most cases, limited in respect of loss of or damage to the goods and delay

RECEIVED for shipment the above mentioned Goods in apparent good order and condition as far as could be ascertained by exercising reasonable means of checking or as stated above.

The Carrier in accordance with the provisions contained on this side and on the reverse side of this document;

- undertakes to perform or to procure the performance of the entire transport from the place at which the Goods are taken in charge to the place designated for delivery in this document, and
- assumes liability as prescribed in this document for such transport.

One of the Bills of Lading to be surrendered duly endorsed in exchange for the Goods or delivery order.

IN WITNESS whereof three (3) original Bills of Lading have been signed, if not otherwise stated above, one of which being accomplished the other(s) to be void.

Place and date of issue

HAMBURG 15.03.2026

Signed on behalf of the Carrier SACO SHIPPING LINE LIMITED

SACO Shipping GmbH
Wollkämmerstraße 1
21107 Hamburg
Germany



As agent only for SACO SHIPPING LINE LIMITED LIMASSOL





LCL IMPORT

Agent:	SACOSHIPINGGMBH	Contact:	BIRTE MEINS
e-mail:	birte.meins@saco.de	Phone:	
Incoterm:	DAP	Product:	FAK / Dry Cargo
Total Packages:	1	Estimated Cargo Value:	0.00
Chargeable Vol:	1.404	Volume:	1.404
		Stackable:	NO
		Total Gross weight:	320.00
		Dangerous:	NO

Dear:
The following quote applies only to the details provided (origin, destination, routing, weight, volume, type of commodity, etc.) If any of these concepts change the costs may vary, so it will be necessary to request an update of the quotation.

Movement type:	CFS to Door		
Delivery location:	Pueblo San José de Chiapa, San José Chiapa, Puebla, México	Land / Transit Time	3 DAYS
Port of Origin/Country:	HAMBURG, GERMANY	Port of Destination/Country:	VERACRUZ, MÉXICO
Via/ transshipment	DIRECT	Frequency/Transit Time:	17 DAYS

Dimensions in meters

No. of Packages	Length m	Width m	Height m	Volume	Weight per packageKgs	Total weight Kgs
1	1.14	1.14	1.08	1.404	320	320.000
1 Packages				1.404 m³		320 Kgs

Destination charges

Concept	Currency	Rate	Unit	Subtotal	VAT	Amount
INLAND SERVICE COORDINATION (PICK UP AND DELIVERY)	USD	441.79		441.79	0.00	441.79
Total Destination charges: 441.79 USD						

SUBTOTAL	441.79 USD
(IVA / VAT)	0.00 USD
TOTAL	441.79 USD

VALIDITY: 2026-03-15
EXCHANGE RATE: 17.22

We thank you for your preference! In case you should have any questions, please do not hesitate to contact us.
Best regards.

Please consult here our online schedules
<https://intralogs.com.mx/itinerarios>



Quotation sent by: VJASSO

Office phone +52 +55 55149897
www.interteam.com.mx

Print Date: 2026/03/03 23:23:12

All contracted services with INTERTEAM, S.A. de C.V. are subject to the Standard Trading Conditions (STC) established by the Mexican Association of Freight Forwarders (AMACARGA) which can be found here: [STC y T&C](#)

1. THE CUSTOMER acknowledges that the operations carried out by INTERTEAM are subject to the Standard Trading Conditions (STC) prepared and published by the Asociación Mexicana de Agentes de Carga, A.C., except for the clauses relating to forms of payment and documentation delivery deadlines for the operation, which can be consulted on the following page: (Clause 13). However, the transportation document applicable to the operation and the terms and conditions of the operational documents sent by INTERTEAM will also be subject to the corresponding contract.
2. For the purposes of the STC, the term LOADING AGENT will be understood to refer to INTERTEAM as a service provider in its capacity of NVOCC (Non-Vessel Operating Common Carrier) (consolidator) and the term CUSTOMER will refer to freight agents or customers in general who request the service from INTERTEAM.
3. The clauses of the STC will be applicable in those cases that are consistent with the specific service contracted.
4. For the purposes of clause 17.4 of STC, THE CUSTOMER will have a maximum of 1 (one) day after the collection of the goods to deliver the necessary data, documents, and information for that specific service.
5. INTERTEAM may request additional documents to those indicated in clauses 17.4.1 to 17.4.6. of the STC.
6. The goods travel at the expense and risk of THE CUSTOMER and it will be solely responsible for contracting and accepting the terms and conditions of the insurance policy, even when the INCOTERM quoted includes insurance, it will be the responsibility of THE CUSTOMER to expressly request it.
7. THE CUSTOMER declares that it has sufficient legal resources to cover its obligations to INTERTEAM.
8. THE CUSTOMER will be required to immediately inform INTERTEAM of any instruction on the insurance policy contracted on its own so that it is fulfilled; otherwise, INTERTEAM will be released from any responsibility. Likewise, if INTERTEAM contracts the insurance policy, it will not be required to know the conditions of said policy, so any additional service indicated by the policy will be quoted separately and at the express request of THE CUSTOMER.
9. INTERTEAM is not responsible for delays in the delivery of goods since the delivery is made based on estimated delivery and arrival times.
10. THE CUSTOMER acknowledges that the conditions and form of payment will be determined in the quotation or, where appropriate, in accordance with the credit agreement granted by INTERTEAM.
11. The deadline to deliver the documentation of the operation will be up to 24 hours after the booking is made. Otherwise, if the change cannot be made or if there are delays, it will be the responsibility of THE CUSTOMER.
12. For DAP (Delivered-at-Place) services, in local transfers and to and from distribution centers (centros de distribución, CEDIS), THE CUSTOMER will be solely responsible for contracting the goods insurance.
13. INTERTEAM must send the invoice within a period of no more than 24 hours after receiving the customer's instructions; consequently, THE CUSTOMER will have a period of 24 hours to review and request clarification or corrections. Once this period has elapsed, THE CUSTOMER must pay the invoice within 72 hours after receiving the invoice.
14. All shipments are booked as stackable unless expressly mentioned otherwise. If THE CUSTOMER desires to change the shipment to NON-STACKABLE, it will be quoted again; any expense or delay that this request causes will be attributable to THE CUSTOMER.
15. THE CUSTOMER will be responsible for the damage caused to the container, so THE CUSTOMER must have an insurance policy that covers this type of loss.
16. THE CUSTOMER acknowledges that the process and delivery of VGM (Verified Gross Mass) (cargo weighing) will be mandatory to be able to ship its goods in the case of maritime transport.
17. If THE CUSTOMER has credit, and the service exceeds the limit granted, THE CUSTOMER must pay the total debt to proceed to releasing the goods; the foregoing, even if a part of the debt is subject to credit.
18. The pandemic caused by the SARS-COV-2 virus (COVID-19) has caused a shortage of containers, port congestion, lack of space, lag times and/or changes in itineraries, which can represent additional costs, such as delays, storage, etc., so INTERTEAM will NOT absorb for any reason the payment of any type of extra costs, since their origin is beyond INTERTEAM's control.
19. If the quoted service is a ROUTING ORDER of an INTERTEAM's counterparty, we inform you that charging for delays will apply in cases where the goods cannot be imported or exported.
20. INTERTEAM DOES NOT carry out procedures with warehouses or authorities of any kind in case the goods cannot be cleared through customs.
21. THE CUSTOMER is responsible for delivering the applicable customs information to comply with the issuance of the corresponding transfer-type CFDI (Comprobante Fiscal Digital por Internet, digital tax receipt).
22. The OF applies for the ship's departure date, if necessary, the ocean freight rate must be updated.
23. Inside CFS we have 15 days free of storage, after this period storages will run under the established rate. These are fixed charges.
24. Tariffs do not include: storage charges of any kind, maneuvers loading/unloading, demurrages, fumigation, palletization, packaging of any kind, inspections or any other extra charges not included on this tariff.

Shipper
DACHSER SE
AIR & SEA LOGISTICS
AS AGENT OF KINGWOOD LOGISTICS LTD
WILHELM-IWAN-RING 21
21035 HAMBURG

B/L No.
VER381823 - A



SACO SHIPPING LINE LTD

SACO SHIPPING LINE LIMITED

44, Kroytser
PANORAMA Residence
Block A, Flat 01
3120 Limassol CYPRUS
FMC Organization No. 025875

6/03/HAM/165811

Copy

Consigned to order of

DACHSER DE MEXICO S.A. DE C.V.
MEXICO CITY BRANCH, AIR & SEA
LOGISTICS, EJERCITO NACIONAL
843B, PISO 3, COL. GRANADA
11520 MIGUEL HIDALGO
PHO: 55/1166/1500, RFC DME0602243X6

Notify Party and address

DACHSER DE MEXICO S.A. DE C.V.
MEXICO CITY BRANCH, AIR & SEA
LOGISTICS, EJERCITO NACIONAL
843B, PISO 3, COL. GRANADA
11520 MIGUEL HIDALGO
PHO: 55/1166/1500, RFC DME0602243X6

		Place of receipt HAMBURG CFS	
Ocean vessel MAERSK FELIXSTOWE 610W		Port of loading HAMBURG	
Port of discharge VERACRUZ	Place of delivery VERACRUZ CFS	Freight payable HAMBURG	Number of original Bills of Lading 0/ZERO
Marks and Nos.	Quantity of Goods	Description of Goods	Said to contain
GROSS weight, kg.			
Measurement, m ³			
CARGO DETAILS AS PER ATTACHED STATEMENT			

FREIGHT PREPAID - SHIPPED ON BOARD - EXPRESS RELEASE

All particulars above declared by Merchant

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TEL: 005255146915, FAX: 005252087989
DANIELA.BORJA@INTERTEAM.COM.MX

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Ad valorem freight paid:

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Signed on behalf of the Carrier SACO SHIPPING LINE LIMITED

SACO Shipping GmbH
Wollkämmerstraße 1
21107 Hamburg
Germany



As agent only for SACO SHIPPING LINE LIMITED LIMASSOL



Marks and Nos.	Quantity of Goods	Description of Goods	Said to contain	Gross weight, kg.	Measurement, m ³
REHAU S.A. DE C.V. BRANCH CELAYA CARR. LIBRE CELAYA-QRO. KM 8,5 38197 APASEO EL GRANDE MEXICO	12 PALLETS	END CAPS FOR WINDSHIELD WIPER HS-CODE: 392690		1840,000	13,942
472145 STOWED INTO CONTAINER NO.: CAAU8324216				SEAL : B136383	
BMW SLP S.A. DE C.V. POTOSI MEXICO REF: 51130153 STOWED INTO CONTAINER NO.: MRKU2045461	5 PALLETS	PARTS FOR MEDICAL CARTS HS-CODE: 94032080		382,100	5,532
				SEAL : B136334	
D/N 407443 MAHLE SISTEMAS DE FILTRACION DE MEXICO APASEO EL GRANDE, GUANAJUATO,MEXICO STOWED INTO CONTAINER NO.: MRSU6503694	2 PALLETS	PIPE SOCKET HS-CODE: 87089299		229,400	3,330
				SEAL : B136332	
AB2600342 PROMOCION Y DISTRIBUCION CINCO, S.A. DE C.V. CIUDAD DE MEXICO MEXICO STOWED INTO CONTAINER NO.: MRKU2045461	1 PACKAGE	SAND/RUBBER SPREADING DEVICE HS-CODE: 84798997, NET WEIGHT: 145,00 KG TAX ID: PDC841108J2A		298,000	2,375
				SEAL : B136334	
TOTAL		20 PACKAGES		2749,500 KGS	25,179 CBM

- A