

STANDARD BUYING SPECIFICATION RESTRICTED

Should a Tenderer/Vendor not be able to meet the requirements of this document, it must be declared in writing to the Buying Manager at the time of tendering/receipt of an order.

DATE: 1985/12/12
CODE NO: 10 000 1002
AMENDMENT 2

This specification is the only document which will be used for the tender, manufacture and acceptance of the item specified herein.

1. ITEM

Barium Nitrate Ba (NO₃)₂

2. GENERAL DESCRIPTION

The material shall consist essentially of Barium Nitrate, Ba(NO₃)₂ in the form of a clean, white, crystalline powder. It must be free from visible impurities.

3. RELATED DOCUMENTS

The Barium Nitrate shall conform to MIL-B-162D Class 1, granulation A

4. COMPOSITION AND TESTS REQUIRED

| | COMPOSITION | LIMITS | TEST METHOD |
|------|--------------------------------|----------------------|-------------|
| 4.1 | Moisture | 0,20%(m/m) maximum | LM/3/34.6 |
| 4.2 | Barium nitrate | 98 %(m/m) minimum | LM/3/34.5 |
| 4.3 | Chloride as Ba Cl ₂ | 0,0075%(m/m) maximum | LM/3/34.11 |
| 4.5 | Strontium as Sr | 0,6% (m/m) maximum | LM 3/34.17 |
| 4.6 | Heavy metals | 0,05% maximum | LM/3/34.12 |
| 4.7 | Calcium as Ca | 0,05%(m/m) maximum | LM/3/34.17 |
| 4.8 | Grit | 0,05% (m/m) maximum | LM/3/34.19 |
| 4.9 | pH | 5,0 - 8,0 | LM/3/34.18 |
| 4.10 | Insoluble matter | 0,10% (m/m) maximum | LM/3/34.16 |
| 4.11 | Granulation: | | LM/3/34.15 |
| | Through 150µm | 99,9% minimum | |
| | Through 105µm | 40,0% minimum | |
| | Through 74µm | 25,0% maximum | |

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5. IDENTIFICATION

5.1 All containers are to be legibly and durably marked with any markings called for by statutory requirements and in addition with the following details:

- 5.1.1 Description as in the title of this standard) Two identical
- 5.1.2 Grade and size) labels on diffe-
- 5.1.3 Order number + code number) rent sides of the
- 5.1.4 Destinctive lot numbers) container.
- 5.1.5 Containers belonging to the same order must be numbered consecutively in a closed series.
- 5.1.6 Tare and nett mass
- 5.1.7 Date of manufacture
- 5.1.8 Contractors initials or recognised trade mark.
- 5.1.9 Additional markings called for in the contract or order.
- 5.1.10 Name of supplier
- 5.1.11 International pictograms.

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- 5.2 The paint or other material used on the containers is to be to the satisfaction of the purchaser's Inspection Authority.

5.3 LOT IDENTIFICATION

- 5.3.1 The material shall be supplied in lots. A lot shall consist of the material produced by one manufacturer, at one plant, from the same materials and under essentially the same manufacturing conditions provided the operation is continuous. In the event that the process is a batch operation, one batch shall constitute a lot.

A batch is defined as that quantity of material which has been manufactured by some unit, chemical process or subjected to some physical mixing operation intended to make the final product substantially uniform.

- 5.3.2 The supplier shall ensure that all deliveries to the end user are fully traceable by lot number and that identification records be supplied to the end user to match lot number with inspection records.

- 5.3.3 Each lot of material supplied shall be accompanied by a certificate of conformance stating that the material submitted is correct and conforms to specification. This certificate of conformance shall be attested by a designated representative of the supplier and shall provide the results obtained in respect of all inspections, tests and analysis performed.

- 5.4 Any material arriving at the end user not exhibiting these identifications will not be accepted for use.

6. PACKING

- 6.1 The Barium Nitrate must be packed in sound, clean, dry, polythene-lined containers, which after packing are to be securely closed.

- 6.2 The methods of packing as well as the quantity to be supplied in each separate container is to be negotiated between the tenderer and the purchaser. The tenderer shall provide demonstrations, photos and/or drawings of his proposed packing methods free of charge. (25 - 50 kg/container)

- 6.3 When placing the order the purchaser shall stipulate the exact method of packing required. Any deviations from this method of packing as well as the inclusion of any foreign matter or impurities in any of the containers shall render the whole consignment liable to rejection.

7. INSPECTION REQUIREMENTS AND TEST METHODS

7.1 RESPONSIBILITY FOR INSPECTION

The supplier is responsible for carrying out all such examinations measurements and tests during or after manufacture to ensure that all items supplied are fully in accordance with the requirements of this specification. The purchaser reserves the right to witness or verify any examinations, measurements and tests carried out by or on behalf of the supplier. The purchaser may also perform any such examinations, measurements and tests as he may deem necessary to ascertain the quality of the items supplied.

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7.2 SAMPLING PROCEDURES

- 7.2.1 The suppliers must provide on delivery of the whole consignment or earlier a homogeneous sample, which will be representative of each lot supplied, of not less than 400 gram free of charge. The total size of the manufacturing lot from which this sample was taken must also be indicated on the container in which the sample is supplied.
- 7.2.2 The purchaser may take samples of any reasonable size from any portion of the consignment and if, on examinations, any sample be found not to conform to this specification the whole consignment may be rejected.

7.3 TEST METHOD

- 7.3.1 The test methods, as indicated in 4 above, is contained in AII 10 000 1002 and will be supplied on request.

8. DOCUMENTATION

The following documents must be forwarded with each consignment of material. (Original or 3 copies of original.)

- 8.1 Standard buying specification which accompanied order.
- 8.2 Certificate of conformance as mentioned in 5.3.3

9. IMPORTANT

Any delivery which does not adhere to this specification unless previously agreed, of which written proof must be enclosed under 8 above, is liable to rejection by the end user's quality department either at the suppliers premises or on arrival at the end user.

10. PLEASE NOTE

If the supplier of the material to the purchaser is not the original manufacturer, the full name and address of the original manufacturer must be supplied in writing prior to the despatch of the material. The original documentation, from the manufacturer, concerning the composition and properties as described in 4 above, must accompany the shipment of material.

AMENDMENT 1 (1985/12/12)

Para 4: Composition changed. See RFC SA 088/85

AMENDMENT 2 (1987/02/12)

Barium nitrate limit altered from 99,7 to 98%. Refer to RFC SA 029/87.

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