

CORDITE FACTORY SPECIFICATION

CHAPTER – 1 : CHEMICAL	SPECN. NO. : 39.0 DATED : 29.06.2006
ITEM : SODA ASH (COMMERCIAL GRADE)	REVISION NO. : 01 DATED : 01.12.2016
	SUPERSEDES : CF 39.0 DATED 29.06.2006

1.0 GENERAL :

This Specification is meant to govern sampling, testing and packing of Soda Ash (Commercial Grade) for treatment of Outgoing Effluent Water in Effluent Treatment Plant of Gun Cotton Section. The General Manager, Cordite Factory, Aruvankadu is the Authority Holding Sealed Particular (AHSP) for this document and no excerpts in any form shall be reproduced without the express approval of GM/C.F. Aruvankadu.

2.0 TECHNICAL REQUIREMENTS:

SL. NO.	CHARACTERISTICS	REQUIREMENT (ON DRY BASIS)
1	Appearance	The material shall be a white, uniform product free from dirt and other foreign matter.
2	Total Alkalinity (As Na ₂ CO ₃) % By Mass (Min)	96.5
3	Matter Insoluble in Water % By Mass (Max)	0.15
4	Sulphates as NA ₂ SO ₄ % By Mass (Max)	0.08
5	Chloride as NaCl % By Mass (Max)	1.00
6	Iron as Fe ₂ O ₃ % By Mass (Max)	0.007
7	Bulk Density	500 to 750 Kg/m ³
8	Volatile Matter Content, % (Max)	2.0

3.0 SAMPLING :

On receipt of intimation from the supplier regarding readiness of store for sampling, CFA representative will be deputed to the supplier's premises for sampling of the material. One composite sample will be taken from the lot for complete analysis. Sample will be drawn from portions of bulk not exposed to air and dust. Sample will be taken from different parts/bags of the lot and mixed thoroughly to be homogenous. Quantity of the sample will be 2.0 (Two) Kg and taken in a container. After sampling, the container will be closed securely to prevent loss of moisture in the samples. The container will be marked with full details such as Nomenclature, Lot No., Quantity,

Date of sampling and Name & Initial of the CFA representative who has drawn the sample.

3.1 The sample will be subjected to complete analysis at our Quality Control Laboratory as per the method of analysis given in IS Specn. No. IS 251 :1998 (as updated). If the sample conforms to the technical requirements as laid down in Clause 2.0 above, the consignment will be "**Accepted**" and the supplier will be intimated accordingly for arranging dispatch of the stores. If the sample after testing at QC(LY) fails to meet the above technical requirements, the lot will be "**Rejected**" outright and the supplier will be intimated accordingly.

4.0 PACKING, MARKING AND DESPATCH :

The material shall be packed by the supplier in HDPE bags of capacity 50 Kg each and each bag shall be securely closed and the packages will be visually inspected for soundness. If any bag is found to be loosely tied or damaged, the supplier will be asked to arrange for repacking. Each bag shall be stenciled or pasted with the following details.

- a) Manufacturer's Name
- b) Lot No. or Batch No.
- c) Net Weight
- d) Tare Weight
- e) Gross Weight
- f) Date of Packing
- g) Moisture Content

4.1 After receipt of bulk material at C.F. Aruvankadu (**Consignee**), the store will be inspected by CFA representative and sample will be drawn from the bulk and tested at Quality Control Laboratory. If the sample fails to meet the requirements, the bulk will be "**Rejected**" and the supplier will be informed accordingly to arrange for lifting of the failed material.

JT. GENERAL MANAGER/QUALITY

Distribution : GC, PV, ST, QC(S&P), QC(LY), QC(TC)

Copy No. of for

No. QC(TC)/3015/SPECN

Dated : 08.12.2016

Sub : Amendment in C.F. Specification No. CF 39.0 dated 29.06.2006
- regarding.

Ref : QC(LY) Note No. QC/LY/SPECIFICATION/16-17 dated 11.11.2016

Section QC(LY), vide note quoted at reference, have requested to amend the Test Clause in CF Specification No. 39.0, Clause No. 2.0, Technical Requirements, Sl. No. 6 in the table as follows :

For : Iron as Fe, % by mass

Read : Iron as Fe₂O₃, % by mass

An amendment to the specification was already done vide QC(TC) note No. QC(TC)/3015 Dated 05.07.2006 to include two clauses in the Technical requirements.

Hence, a new Specification has been prepared by incorporating all the amendments. The same is placed beneath for approval and signature please.

DVO/QC(TC)

HOS/QC(TC)

JT.GM/Q&SF