

Batch No.: 2240821

Production Date: 11 August 2006

Expiry Date: 10 August 2010

ORIGINAL

Soda Ash Chemically Pure / Soda Ash IPH

Usine / Factory: DOMBASLE

CHEMICAL ANALYSIS

| Characteristics<br>Content in         | Expressed as                    | Unit | Specifications    | Reference |
|---------------------------------------|---------------------------------|------|-------------------|-----------|
| Carbonate                             | Na <sub>2</sub> CO <sub>3</sub> | %    | 99,5 – 100,5 *)   | 1) 2) 3)  |
| Appearance of solution                |                                 |      | clear, colourless | 1)        |
| Alkali hydroxides<br>and bicarbonates |                                 |      | clear             | 1)        |
| Chlorides                             | Cl                              | ppm  | <= 125            | 1)        |
| Sulfates                              | SO <sub>4</sub>                 | ppm  | <= 30             | 6)        |
| Arsenic                               | As                              | ppm  | <= 1              | 5)        |
| Iron                                  | Fe                              | ppm  | <= 10             | 5)        |
| Mercury                               | Hg                              | ppm  | <= 1              | 4)        |
| Lead                                  | Pb                              | ppm  | <= 4              | 3)        |
| Heavy metals                          | Pb                              | ppm  | <= 10             | 2)        |
| Loss on drying                        | H <sub>2</sub> O                | %    | <= 0,5 **)        | 5)        |
| <b>GRANULOMETRY</b>                   |                                 |      |                   |           |
| < 0,500 mm                            |                                 | %    | >= 99,8           | 5)        |
| < 0,100 mm                            |                                 | %    | >= 80             | 5)        |
| < 0,063 mm                            |                                 | %    | <= 40             | 5)        |

Free flowing density kg/dm<sup>3</sup> 0,5 – 0,8 5)

\*) Ex works, determination after drying (2 hrs at 250°C)

\*\*) SLV Method (2h at 230°C)

Remark: Test etant organique/volatile impurities according to URP is not applicable: no organic solvent is used in the manufacturing process.

1) European Pharmacopoeia 5th Edition

2) Pharmacopoeia USP 28 NF 24

3) Food Chemicals Codex 4th Edition

4) European Directive 2002/32/EC (amending Directive 66/77/EC) – Order of 2nd of May 2001

5) SOLVAY specification

Specification: SPE C 05.01.40 Date: 05/2006 Issue: 10

Partijen DOC2240821 / Hoeveelheid 23.750.000 KG

Opgemaakt to DOMBASLE-SUR-MEURTHE op 18.08.2008