



## Soda Ash Dense SPECIFICATION

| Characteristics                              | Unit                   | Limits |      | Test methods                               |
|----------------------------------------------|------------------------|--------|------|--------------------------------------------|
|                                              |                        | Min    | Max  |                                            |
| Sodium Carbonate<br>$\text{Na}_2\text{CO}_3$ | %                      | 99.5   |      | Titrimetric<br>E359-00 (2010)              |
| Sodium Oxide<br>$\text{Na}_2\text{O}$        | %                      | 58.2   |      |                                            |
| Sodium Sulphate<br>$\text{Na}_2\text{SO}_4$  | %                      |        | 0.1  | E359-00 (2010)                             |
| Sodium Chloride<br>$\text{NaCl}$             | %                      |        | 0.1  | E359-00 (2010)                             |
| CaO                                          | ppm                    |        | 280  |                                            |
| MgO                                          | ppm                    |        | 150  |                                            |
| $\text{Fe}_2\text{O}_3$                      | ppm                    |        | 21   | E359-00 (2010)                             |
| Loss on Drying<br>(Moisture)                 | %                      |        | 2.0  | Raising<br>gradually from<br>70°C to 300°C |
| Free Flowing<br>Density                      | $\text{Kg/dm}^3$       | 0.95   | 1.20 | ISO 697 (1981)                             |
| Granulometry<br>+30 US Mesh<br>Screen Size   | Cumulative<br>Weight % |        | 4.0  |                                            |
| Granulometry<br>+100 US Mesh<br>Screen Size  | Cumulative<br>Weight % | 85.0   |      |                                            |
| Granulometry<br>+200 US Mesh<br>Screen Size  | Cumulative<br>Weight % | 98.0   |      |                                            |