

**THE CHEMICAL BROTHERS GROUP**

**Specifications: Linear Alkyl Benzene Sulphonic Acid (LABSA)**

Formula:  $\text{CH}_3(\text{CH}_2)_{11}\text{C}_6\text{H}_4\text{SO}_3\text{H}$

CAS: 27176-87-0

Date of Mfg.: 3rd April 2024

| Parameters                                 | Result               |
|--------------------------------------------|----------------------|
| Appearance (25°C)                          | Viscous brown liquid |
| Odor                                       | Characteristic odor  |
| Density, g/ml (25°C)                       | 1.075                |
| Pour point(1% water solution), °C          | -12                  |
| Color (Klett, 5% Am.aq.sol.)               | ≤50                  |
| Average molecular weight                   | 321±4                |
| Active matter content, %                   | ≥96.0                |
| Un sulfonated organic matter (Free oil), % | ≤2.0                 |
| Inorganic acid content, %                  | ≤1.5                 |
| Acid value, mg KOH/g                       | 180-190              |

**\*End of Report\*\***