

Identification ¹

Número CAS: 85536-14-7

Número EC: 287-494-3

Description

NextLabsa-R-Low Carbon-550-L is a linear alkylbenzene sulphonic acid (LABSA) which, in addition to incorporating certified renewable raw materials in its production process, is also manufactured using energy from renewable sources, and therefore reducing greenhouse gas emissions during the process. NextLabsa-R-Low Carbon-550-L maintains the same technical specifications as its fossil counterpart: Petresul 550. It is a blend of C10-C13 homologues with a low content of 2-phenyl isomers (15-21%). For the production of its raw material, linear alkylbenzene (PetreLAB 550), the Detal Flex 2 Phenyl technology is used.

In addition, our production plants have a certification system that allows us to identify and guarantee sustainable production from the origin of the product to its delivery, using the mass balance methodology, applied to both raw material and energy.

It is offered in two versions depending on its renewable raw material content: 68% (NextLabsa-R68-Low Carbon 550-L) and 100% (NextLabsa-R100-Low Carbon 550-L).

Application

NextLabsa-R-Low Carbon 550-L is exclusively used for the production of sodium linear alkylbenzene sulphonate (LAS) in the neutralisation process. LAS is the most important anionic surfactant used for the formulation of biodegradable detergents. It is also used in dishwashers and other household cleaners, as well as in a wide range of applications in other industries.

Typical properties

| Property | Unit | Method | Value |
|---|----------|----------------|--------------------|
| Appearance | - | Visual | Brown Viscous Liq. |
| Odour | - | Organoleptic | Spicy |
| Klett color (5% A.M.) | %wt | CQ PM LC 802.4 | 18 |
| Active matter (alkylbenzene sulfonic acid) | %wt | CQ PM LC 802.7 | 97.2 |
| Un sulfonated organic matter (Free oil) | %wt | CQ PM LC 802.5 | 1.5 |
| Free sulphuric acid | %wt | CQ PM LC 802.2 | 0.8 |
| Average molecular weight | g/mol | UOP 673 | 320 |
| Water | %wt | CQ PM LC 305 | 0.5 |
| Viscosity @ 40°C | cSt | CQ PM LC 363 | 400 |
| Density @ 25°C | g/ml | CQ PM LC 807 | 1.05 |
| Pour point | °C | ASTM D 5950 | 6.5 |
| Total acidity | mg KOH/g | CQ PM LC 802.1 | 179 |

The sodium sulfonate obtained in the neutralization of NextLabsa-R-Low Carbon 550-L complies with biodegradability requirements laid down in the C.E detergent regulation CE n° 648/2004.

*All the data provided does not imply the replacement of the Moeve Specification Sheets or Safety Sheets

¹ For the latest updates on these numbers, please consult the safety data sheet available at: chemicals.moeveglobal.com

Standard packaging

Available in trucks and isotanks.

Storage and handling

Store in accordance with local regulations.

Keep away from direct sunlight.

Recommended storage temp: 30-40°C. At lower temperatures, its viscosity can lead to pumping problems.

Tanks and pipes material: Stainless steel 316.

SO₃ gases can accumulate in storage tanks.

Storage should not exceed six months from the manufacturing date.

For more information, refer to the Safety Data Sheet.

Health and safety

Refer to the Material Safety Data Sheet (MSDS).