

## Technical Data Sheet

### Rhamnolipid 淑丽德® RLM 2125

30.11.2023

#### Product Description

Glycolipid biosurfactant, it is obtained by fermenting vegetable oil through a fermentation process and then crude purification.

#### Typical Properties

<i>Property</i>	<i>Value</i>	<i>Unit</i>	<i>Method</i>
<i>Appearance</i>	Brown to black liquid	-	Q/DGBIO 2-2023
<i>pH(10% aqueous solution)</i>	6.0-8.0	-	
<i>Solubility</i>	Soluble	-	
<i>Rhamnolipid content</i>	≥250	g/kg	
<i>ST(10<sup>-3</sup>)</i>	≤35	mN/m	

#### Applications

A biosurfactant with excellent surface properties, which has the functions of reducing surface tension, emulsifying, wetting, decontamination, and foaming. It can be used in oil exploration, pollution control, soil remediation, agriculture, fodder and other related fields. The product is high foam type.

#### Instruction for use

<b>Cautions</b>	<p>pH: Do not use with strong acid and strong bases, especially when pH&lt;3 or pH&gt;10. Recommended pH: 6.0-8.0. Temperature: The product has been tested to maintain stable structure and performance at a maximum of 150°C. Fluidity deteriorates at &lt;0°C. Recommended temperature: 10-80°C.</p>
<b>Dissolvability</b>	<p>It can be diluted and dissolved in water and most organic solvents such as alcohols and esters.</p>
<b>Bacteriostatic and antiseptic</b>	<p>The product contains antibacterial ingredients, but it is recommended to use the product as soon as possible after opening the package. If it is not used up, it should be sealed and packaged immediately and stored in a cool, dry and ventilated warehouse. The product can be refrigerated if</p>

	<p>necessary (do not freeze).</p> <p>Products that have been opened, changed packaging, or stored improperly may shorten guarantee period, please use them as soon as possible.</p> <p>If preservative treatment is required in the formulation system of this product, or your industry has requirements on hygiene indicators. Preservatives can be added or sterilization methods such as high temperature and radiation can be used during the use of this product. Before use, it is recommended to do compatibility test and anti-corrosion challenge test.</p>
<b>Packaging</b>	Plastic drums with a net weight of 25kg, recyclable IBC ton drums.
<b>Storage</b>	Sealed storage in a cool warehouse, it can be stored for two years from the date of manufacture. After the product is dissolved, impurities may precipitate, which will not affect the performance of the product. Please shake well before use.
<b>Transportation</b>	Transport as non-dangerous goods, avoid exposure to sunlight during transportation.

**For more information, please contact us.**

#### Statement

The descriptions of technology specifications, product performance and precautions contained in this document are based on our current knowledge and experience. The data are obtained by professional technicians under qualified test conditions. Due to equipment, environment, personnel and other reasons, the actual test conclusion may have errors. We reserve the right to make any changes to the above based on technological advances.