



Dodecyl-beta-D-maltoside (min. 99 %)

Catalog No: 50311
Lot No: XXXXX
Cas No: 69227-93-6
Formula: C₂₄H₄₆O₁₁
MW: 510.63
Supplied as: solid
Stability: KEEP DRY AT -20 °C, close in tight plastic bag!

Tests

Appearance

[α]_D(c1; H₂O; 22±2°C)
m.p. thermal transition

Specifications

white crystal powder
+48°±1°
103.0°C (smectic A)
240°C - 246°C (isotropic)

Purity

Contaminants:

n-Dodecanol
n-Dodecyl-α-Maltoside

>99.0%
<0.002% (HPLC)
<0.003% (HPLC, TLC)

Solubility:

10% solution in water
10% solution in ethanol

clear, colourless
clear, colourless

pH (1% in solution)

Conductance

5.5-6.5
6.5±1 μS/cm (10% aq. solution)

Fluorescence:

% due to detergent

Solvent: 0.01% BSA /
Detergent 0.1%
Excitation wavelength: 280 nm
Emission wavelength: 345 nm
1.0%±0.3%

Absorbance:

340nm
280nm
260nm
240nm

Solvent: H₂O / Detergent
concentration: 1%
<0.02
<0.03
<0.04
<0.10

Usage

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