



n-Dodecyl Alpha-  
maltoside (AlphaDDM) >  
99% highly purified  
[116183-64-3]

NB-39-00010

## Analytical Certificate

### *n*-Dodecyl (AlphaDDM) -maltoside

Cat# NB-39-00010

Size: 1g; 5g, 25g

<b>Product No:</b>	NB-39-00010
<b>Charge:</b>	MR 3115
<b>Molecular Weight</b>	510,63
<b>Formula</b>	C <sub>24</sub> H <sub>46</sub> O <sub>11</sub>
<b>Storage</b>	Store at –20°C avoid humidity! Open only at RT; keep dry!

Description	Specification Version 1 / 10.06.2007	Result
Appearance	White Crystal Powder	conform
[α] <sub>D</sub> (c=1; H <sub>2</sub> O; 22°±2°C)	+125±1°	+126,07° (20°C)
m.p. thermal transition	123°C-124°C (smectic A) 198°C-200°C (isotropic)	124,0°C 199,5°C
Purity (n-Dodecyl-maltoside)	> 99,0%	99,1%
Contaminants:		
- n-Dodecanol	<0,002% (HPLC)	<0,002% (HPLC)
- n-Dodecyl-β-maltoside	< 7% (HPLC, TLC)	< 5% (HPLC, TLC)
Solubility:		
- 10% solution in water	clear, colourless	clear, colourless
- 10% solution in ethanol	clear, colourless	clear, colourless
pH (1% solution)	5,5 – 6,5	6,4
Conductance	6,5±1µS/cm (10% aq. solution)	6,9µS/cm (10% aq. solution)
Fluorescence	Solvent: 0,01% BSA/ Detergent 0,1% Excitation wavelength: 280nm Emission wavelength: 345 nm	Solvent: 0,01% BSA/ Detergent 0,1% Excitation wavelength: 280 nm Emission wavelength: 345 nm
% due to detergent	1,0%±0,3%	1,1%
Absorbance:	Solvent: H <sub>2</sub> O / Detergent conc.: 1%	
340 nm	< 0,02	0,008
280 nm	< 0,03	0,019
260 nm	< 0,04	0,024
240 nm	< 0,10	0,033