



Specification

Brij® 35 BioChemica

A1381

Synonym	Dodecylpoly-(ethyleneglycolether) ₂₃ , Laureth-23
Aggregation no. (N_a)	40
CMC (25°C)	9 x 10 ⁻⁵ mol/L
Classification: nonionic detergent	
Melting range	40 - 42°C
Formula	C ₅₈ H ₁₁₈ O ₂₄
M	1198.56 g/mol
CAS-No.:	9002-92-0
HS-No.:	34021300
Storage:	RT
LGK:	10 - 13
Disposal:	3
WGK:	2
	® registered trademark of Atlas Chemical Co.
Specification	
Water	max. 4 %
Literature	
	(1) Moore, S. & Stein, W.H. (1954) <i>J. Biol. Chem.</i> 211 , 893-906 Procedure for the chromatographic determination of amino acids on 4 % cross-linked sulfonated polystyrene resins.
	(2) Helenius, A. <i>et al.</i> (1979) <i>Methods Enzymol.</i> 56 , 734-749 Review article: Properties of detergents.
Comment	
	Brij® 35 is a non-ionic detergent with a polyoxyethylene head group. As a rule, these detergents do not denature proteins, making them a useful tool in studying proteins in their native state. Proteins, that are composed of several subunits will not dissociate. Preparation of a 0.5 % solution Brij® 35: Dissolve 0.5 g Brij® 35 in 100 ml hot water. If the detergent will not stay completely in solution at room temperature, enlarge the volume with water to 150 ml and use in the experiment 1.35X larger quantities (1).