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TECHNICAL INFORMATION

Catalog Number: 101111, 194840

BRIJ 35

Molecular Formula: C₁₂H₂₅(OCH₂CH₂)~46OH

Molecular Weight: 1225

CAS # : 9002-92-0

Synonym: Polyoxyethylene 23 Lauryl Ether

Physical Appearance: White waxy solid

Aggregation Number: 20-40

Critical Micelle Concentration (CMC): 0.05-0.1 mM Detergents with high CMC values are generally easy to remove by dilution; detergents with low CMC values are advantageous for separations on the basis of molecular weight. As a general rule, detergents should be used at their CMC and at a detergent-to-protein weight ratio of approximately ten.²⁻³

Solubility: Soluble in water, ethanol, toluene; miscible with hot material, natural and synthetic oils, with fatty alcohols and fats; insoluble in mineral oil and vegetable oils

References:

- Stein, W.H. and Moore, S.J., *J. Biol. Chem.*, **211**, 893 (1954)
- Womack, M.D., et al., *Biochim. Biophys. Acta*, **v. 733**, 210 (1983)
- Matson, R.S. and Goheen, S.C., *LC-GC*, **v. 4(7)**, 624 (1986)