



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-255711
Lot Number: SAMPLE
Product Name: Tyloxapol
CAS Number: 25301-02-4
Molecular Formula: $C_{17}H_{30}O_4$ (monomer)
Molecular Weight: 298.42 (monomer)

Test	Result
Appearance	Viscous amber liquid
Identification (Infrared Spectrum)	Exhibits maxima at same wavelengths as that of a similarly prepared RS
Identification (UV)	Exhibits maximum and minimum at the same wavelengths as RS
Cloud point	95.5 °C
pH	5.5
Residue on Ignition	0.8%
Solubility	Slowly but freely miscible with water. Soluble in glacial acetic acid, toluene and $CHCl_3$.
Color Value	7
Optical Rotation	$\alpha_{25D} = 1.500^\circ$
Anionic Detergents	< 0.075% as sodium lauryl sulfate
Cationic Detergents	No blue color in the organic solvent layer
Ethylene oxide	None detected (< 0.5ppm)
Formaldehyde	0.00009%
Free Phenol	No cloudiness or precipitation immediately
Toluene	Trace, < 18ppm
Water content	0.1%

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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