

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	24162
Lot Number	001383-19140022
Product	Tyloxapol Ethoxylated <i>p-tert</i> -octylphenol formaldehyde polymer
CAS Number	25301-02-4
Appearance	Viscous amber liquid
Color (APHA)	11
Solubility	Slowly but freely miscible with water. Soluble in glacial acetic acid, toluene, and chloroform.
Refractive Index	(n_{25}^D) = 1.499
Anion	Limit of Anionic Detergents: < 0.075% as sodium lauryl sulfate
Cation	Absence of cationic detergents: No blue color in the organic solvent layer
Water Content (Karl Fisher)	0.15%
pH	6.5
Infrared Spectrum	Conforms to structure
UV Ratios	UV absorption Spectrum: conforms to structure
Residue On Ignition	0.1%
Grade	USP
Storage	Store at 0-8 °C
Additional Information	Cloud Point: 94 °C Free Phenol: No cloudiness or precipitation immediately Limit of Formaldehyde: 0.0000% Ethylene Oxide (internal method): None detected, < 0.5 ppm Toluene: Trace (Action Limit) < 30 ppm

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Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager