

Certificate of Analysis

Date of Testing: 2023-11-29 16:59:26
 Date of Next Testing: 2027-11-28 16:59:26
 Product Name: **EmulsifierX-114**
 CAS Number: 9036-19-5
 Specifications & Purity: reagent grade
 Lot #: K2322318
 SKU #: **T101474**
Analysis: **281825**
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Color scale	0-100	10.00
Refractive index n ₂₀ /D	1.488-1.495	1.49
Density (25°C)	1.05-1.06	1.05
Sulfate(SO ₄ ²⁻)	0-0.005 (%)	0.00 %
Water by Karl Fischer	0-1 (%)	0.37 %
Cloud Point	22-28 (°C)	25.41 °C
Heavy metal (as Pb)	0-0.0005 (ppm)	0.00 ppm
Appearance (T101474)	Clear to Very Slightly Hazy to Light Yellow Viscous Liquid	Clear to Very Slightly Hazy to Light Yellow Viscous Liquid
Active Content	100 wt%	100 wt%
HLB value	12.4	12.4
PH(6,5% aqueous solution)	Conforms	Conforms
pour point (-9°C)	pass	Pass
viscosity , 260 cP (25°C)	Conforms	Conforms
Infrared spectrum	Conforms to Structure	Conforms to Structure



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A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su
QA & QC Manager