

## CERTIFICATE OF ANALYSIS

PRODUCT NAME: Triton X-114, reagent grade

ITEM NUMBER: T101474  
BRAND: Aladdin  
CAS NUMBER: 9036-19-5  
MDL NUMBER: MFCD00128254  
FORMULA:  $(C_2H_4O)_n \cdot C_{14}H_{22}O_{n=7-8}$   
MOLECULAR WEIGHT:

TEST	SPECIFICATION		TARGET VALUE
	MIN.	MAX.	
active content	100 wt%		
Appearance	Colorless to Pale Yellow Viscous Liquid		
Chloride(Cl)	0 %	0.005 %	0.005 %
Cloud point	22 ° C	28 ° C	28 ° C
Color scale	0	100	100
Density (25/25 ° C)	1.05	1.06	1.06
Heavy metals(as Pb)	0 ppm	0.0005 ppm	0.0005 ppm
HLB value	12.4		
Infrared spectrum	Conforms to Structure		
pH	6 (5% aqueous solution)		
pour point	-9 ° C		
Refractive index n <sub>20</sub> /D	1.488	1.495	1.495
Sulfate	0 %	0.005 %	0.005 %
Viscosity	260 cP (25 ° C)		
Water by Karl Fischer	0 %	1 %	1 %