

# ASES CHEMICAL WORKS

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## CERTIFICATE OF ANALYSIS

1. Name of the Product	Isopropyl Myristate
2. Synonym	Tetradecanoic acid, 1-methylethyl ester, propan-2-yl tetradecanoate, Estergel
3. Molecular Formula	$C_{17}H_{34}O_2$
4. Molecular Weight	270.45
5. CAS Number	110-27-0
6. Mfg. Date	As mentioned on Label
7. Date Of Exp	3 Years From MFG
8. Date of Analysis	May-2024

Test	Specification	Analysis
Appearance (Clarity)	Clear	Clear
Appearance (Colour)	Clear, Colourless, Oily Liquid	Complies
Appearance (Form)	Liquid	Liquid
Identification	By Saponification Value and Gas Chromatograph	Complies
Solubility	Miscible with Ethanol	Complies
Odour	Odourless	Complies
Acid value (%)	1.0 max.	0.056
Specific Gravity (20°C)	0.846 to 0.854	0.852
Viscosity (mPas) (20°C)	5-6	5.47
Sap Value (mg KOH/gm)	202-212	206.44
Iodine Value	1.0 max	0.11
Density (g/ml) @ 20°C	0.853 - 0.855	0.853
Refractive Index (20°C)	1.432 - 1.437	1.435
Water Content (%)	max. 0.1	0.074
Total Ash (%)	max. 0.1	0.00
Assay (GC)%	min. 90	99.4