

ASES CHEMICAL WORKS

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CERTIFICATE OF ANALYSIS

1. Name of the Product	D-Limonene
2. Alternative Names	(+)-Dipentene
3. CAS Number	5989-27-5
4. Formula	$C_{10}H_{16}$
5. Mol Weight	136.24
6. Batch No & Mfg. Date	As mentioned on Label
7. Date Of Exp	3 Years From MFG Date
8. Date of Analysis	June-2024

Sr.	Tests	Specifications	Results
1	Appearance	Colorless to pale yellow liquid	Pale yellow liquid
2	Purity (by GC)	Min 94%	96.32%
3	Density (at 20°C)	0.841 - 0.846	0.841
4	Specific optical rotation ($[\alpha]_{20/D}$; Neat)	+96 to +105 deg	99.69 deg