

TECHNICAL DATA SHEET

SPECIFICATION - FINISHED PRODUCT			
PRODUCT NAME: ALPHA DAMASCONE			
Chemical name:	(E)-1-(2,6,6-Trimethyl-2-cyclohexen-1-yl)-2-buten-1-one	EINECS Number:	246-430-4
CAS Number:	24720-09-0	FEMA Number:	4088
Molecular Formula:	C ₁₃ H ₂₀ O	Synonym:	Damascone alpha, trans-Rose ketone-1, Dorinone alpha, ® Dihydro floriffone
Molecular Weight:	192.3 g/mol	Effective Date:	13/03/2023
LogP:	NA	Next Review Date:	13/03/2025

Sr. No.	Characteristics	Specifications
1	Appearance	Colourless to pale yellow liquid
2	Solubility in Water	Insoluble
3	Odor Family	Fruity ,Floral, Natural rose with complextion of mint and apple
4	Specific gravity/Density	0.928 – 0.943 at 25 °C
5	Refractive index	1.494 – 1.498 at 20 °C
6	Acid value	NMT 1.0
7	Purity by GC	NLT 95% (sum of isomers)
8	Odor Profile	NA
9	Vapour Pressure	0.0107 Pa at 20C
10	Boiling Point	267.13 °C. @ 760.00 mm Hg (est)
11	Shelf-Life	24 months.
12	Stability	Good
13	Flash Point	> 93.33 °C
14	Fusion Point	NA