

TECHNICAL DATA SHEET

SPECIFICATION - FINISHED PRODUCT			
PRODUCT NAME: BETA DAMASCONE			
Chemical name:	(E)-1-(2,6,6-Tri methyl-1-cyclohexen-1-yl)-2-buten-1-one	EINECS Number:	245-842-1
CAS Number:	23726-91-2	FEMA Number:	3243
Molecular Formula:	C ₁₃ H ₂₀ O	Synonym:	Trans-Beta damascone, Rose dihydroketone, trans-Rose ketone-2, Dihydro floriffone b
Molecular Weight:	192.3	Effective Date:	13/03/2022
LogP:	3.4 at 25°C	Next Review Date:	13/03/2025

Sr. No.	Characteristics	Specifications
1	Appearance	Pale yellow liquid
2	Solubility in Water	188mg/L at 20°C
3	Odor Family	Fruity, Floral, Rosy, Berry, Plum, Blackcurrant, Honey, Tobacco
4	Specific gravity/Density	0.930 – 0.948 at 25 °C
5	Refractive index	1.496 – 1.500 at 20 °C
6	Acid value	NMT 1.0
7	Purity by GC	NLT 90% (sum of isomers)
8	Odor Profile	at 1.00 % in dipropylene glycol. apple rose honey tobacco sweet
9	Vapour Pressure	3Pa at 25°C
10	Boiling Point	200.00 °C. @ 760.00 mm Hg
11	Shelf-Life	36 Months
12	Stability	Good Thermal Stability
13	Flash Point	>100 °C

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14	Fusion Point	2 °C
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