Aktin Chemicals, Inc.
No.88 Keyuan South Road, High-tech Zone, Chengdu
610041 P.R.China
Tel: 86-28-85159085 Fax: 86-28-85159085 Ex 604
Website: www.aktin.com Email: info@aktin.com

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SPECIFICATION SHEET

File No.:JT-TDS-CP0081 Version:00 Effective date:2026.10.30

Product Name	AKCOS® hydrogenated bisabolol
Molecular Formula	$C_{15}H_{30}O$
Molecular Weight	226.40
Product Specification	95.0%
Country of Origin	China

QUALITY SPECIFICATIONS

ITEMS	SPECIFICATIONS	METHODS
Appearance	Colorless to pale yellow liquid	Visual
Identification	The IR spectrum of the sample corresponds to that of the reference standard.	TR
	In the chromatogram recorded under the content determination item, the retention time of the main peak of the test solution should be consistent with that of the reference solution	GC
Moisture	≤0.5%	KF
Assay		
Hydrogenated bisabolol	NLT 95.0 %	GC
(-)-α-Bisabolol	NMT 1.0%	GC
Residues		
Solvent Residues	USP<467>	GC
Benzoapyrene	<10ppb	HPLC
Sum of PAHS	<50ppb	HPLC
Heavy metals		
Heavy Metals	≤20ppm	ICP-MS
Lead	≤2ppm	ICP-MS
Arsenic	≤1ppm	ICP-MS
Mercury	≤0.1ppm	ICP-MS
Cadmium	≤1ppm	ICP-MS

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ITEMS	SPECIFICATIONS	METHODS
Microbiological		
Total Plate Count	<1000cfu/g	USP <2021>
Yeast& Mold	<100cfu/g	USP <2021>
E.Coli	Negative	USP <2022>
Salmonella	Negative	USP <2022>
Staphylococcus	Negative	USP <2022>
Statement: Non-Irradiated, Non-BSE/TSE, Non-GMO, Non-Allergen		

STORAGE, STABILITY & PACKAGING

Storage	Store in a cool and dry place, avoid strong light and high temperature.
Stability	24 months when properly stored.
Packaging	25kg/drum or as requested.