

ASES CHEMICAL WORKS

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CERTIFICATE OF ANALYSIS

1. Name of the Product	Salicylic Acid
2. Synonyms	2-Hydroxybenzoic Acid, Ortho-Hydroxybenzoic Acid
3. CAS Number	69-72-7
4. Formula	C ₇ H ₆ O ₃
5. Mol. Weight	138.12
6. Batch No & Mfg. Date	As mentioned on Label
7. Date Of Exp	3 Years From MFG Date
8. Date of Analysis	July-2024

TEST	SPECIFICATION	RESULT
Description	White or colourless, acicular Crystals or a white, crystalline powder.	White crystalline Powder
Solubility	Freely soluble in ethanol (95%), and in ether, sparingly soluble in chloroform; slightly soluble in water.	Passes the tests.
Identification Test A may be omitted if test B & C are carried out. Test B may be omitted if test A & C are carried out.	A) Spectrum is concordant with the reference spectrum of salicylic acid	A) Matches with RS
	B) 1 ml of the solution gives Reaction A of Salicylates,	B) NA
	C) Melting Point 158°C to 161°C	C) M.Pt.159.1°C
Appearance of solution	Solution is clear & colourless	Solution is clear & colourless
Related Substances	Impurity A: 4-hydroxybenzoicacid: NMT 0.10%	0.0014%
	Impurity B: 4-hydroxyisophthalicacid: NMT 0.05%	0.0476%
	Impurity C: Phenol: NMT 0.02%	Phenol: ND
	Any Other impurities: NMT 0.05%	0.0135
	Sum of all other secondary Peak: NMT 0.20%	0.0625
Heavy Metals	NMT 20 ppm	<20 ppm
Iron	NMT 2 ppm	< 2 ppm
Chlorides	NMT 125 ppm	< 125 ppm
Sulphates	NMT 200 ppm	<200 ppm
Sulphated ash	NMT 0.1%	0.04%
Loss on drying	NMT 0.5%	0.11%
Assay	99.0% to 100.5%	99.77%