

3050 Spruce Street,
St. Louis, MO 63103, USA

Certificate of Analysis(COA)

Product Name:	Salicylic acid for Synthesis
Product Brand:	Sigma-Aldrich
Product Number:	8.18731
Batch Number:	SA20250127

TEST	SPECIFICATION	LOT SA20250127 RESULTS	METHOD
APPEARANCE	WHITE POWDER OR CRYSTALS	WHITE CRYSTALLINE POWDER	Visual Inspection
MELTING POINT	158 - 161 DEGREES CELSIUS	158.0-160.0 DEGREES CELSIUS	USP <741>
INFRARED SPECTRUM	CONFORMS TO STRUCTURE.	CONFORMS TO STRUCTURE.	USP <197>
TITRATION	99.0% - 101.0% (WITH NAOH)	100.8% (WITH NAOH)	NAOH
HIGH PRESSURE LIQUID	99.0% (MINIMUM)	99.9%	
SOLUBILITY	5% IN ABSOLUTE ETHANOL; CLEAR, COLORLESS	50MG/ML, ABS ETOH; CLEAR COLORLESS SOLUTION	Visual Inspection/ Solubility Test
ASSAY	≥99.0%	98.5% - 101.0%	HPLC
WATER CONTENT	< 0.5%	< 0.5%	USP <921>
RESIDUE ON IGNITION	≤0.05% (as sulfate ash)	< 0.1%	USP <281>

HEAVY METALS	NOT MORE THAN 10 PPM	< 10 ppm	USP <231>
LOSS ON DRYING(%)	$\leq 0.5\%$	$\leq 0.5\%$	USP <731>



**Barbara Mathew, Supervisor
Quality Control
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