

Analysis Date: 24-09-2025

Re-test Date: 24-09-2028

LEVOTHYROXINE IMPURITY 9

Identification

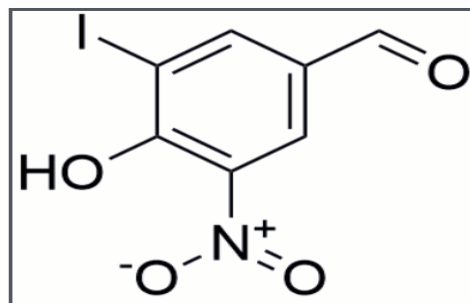
Chemical Name : 4-Hydroxy-3-iodo-5-nitrobenzaldehyde

CAT No : ALL-4-HY-3-IDO

CAS No : 3861-58-3

Molecular Formula : C₇H₄INO₄

Molecular Weight : 293.0



Analytical Information

Batch Code	: ALL-4-HY-3-IDO	HPLC Purity	: 98.00 %
Solubility	: USP Diluent / EP Diluent (MEOH)	Potency	: 96.51%
Appearance of Product	: Off White Solid	Mass	: Confirm
Long Term Storage	: -20°C	IR Analysis	: Confirm
Weight Loss By TGA	: 0.711%	¹ HNMR	: Confirm
Residue Of Ignition	: 0.801%		

Additional Information

$$\% \text{Potency} = [100 - (\text{Weight Loss By TGA \%} + \text{Residue Of Ignition \%}) \times \text{Chromatographic Purity\%}] / 100 =$$

$$[100 - (0.711 + 0.801) \times 98.00 \%] / 100 = 96.51\%$$

Recommendation : Released

	Department	Name	Signature
Prepared and Reviewed by	Analytical	Mr.Vipul khadase Jr. Executive	
Approved By	QA&QC	Dr. Ashish Keche Director QA&QC	

Attachment : HPLC, Mass, ¹H NMR, IR, TGA

Shipping Condition : All Product are stable to be shipped at room temperature, unless otherwise specified

Corporate Office

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