

# Chem-Impex International, Inc.

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825 Dillon Drive

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## Certificate of Analysis

<b>Catalogue Number</b>	24518
<b>Lot Number</b>	002119-14331
<b>Product</b>	<b>Isonicotinic acid hydrazide</b>
	Isoniazid
	Pyridine-4-carbohydrazide
<b>CAS Number</b>	54-85-3
<b>Molecular Formula</b>	C <sub>6</sub> H <sub>7</sub> N <sub>3</sub> O
<b>Molecular Weight</b>	137.14

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<b>Appearance</b>	White crystalline powder
<b>Appearance of Solution</b>	A solution is clear and not more intensely colored than the reference solution BY7.
<b>Solubility</b>	Freely soluble in water, sparingly soluble in alcohol, slightly slightly soluble in chloroform and very slightly soluble in ether.
<b>Melting Point</b>	173 °C
<b>Heavy Metals</b>	< 10 ppm
<b>pH</b>	7.1 (5% w/v in solution)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Loss on Drying</b>	0.3% (w/w)
<b>Related Substances</b>	Hydrazine: < 0.05% w/w < 0.2% w/w
<b>Sulfated Ash</b>	0.02% (w/w)
<b>Assay by titration</b>	100.0% (anhydrous basis)
<b>Application</b>	It is used for the treatment of Mycobacterium tuberculosis.
<b>Storage</b>	Store at 0-8 °C

# *Certificate of Analysis*

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**Remarks**

See material safety data sheet for additional information

For laboratory use only

**The foregoing is a copy of the Certificate of Analysis as provided by our supplier**



**Bala Kumar**  
**Quality Control Manager**