

Chem-Impex International, Inc.

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

Certificate of Analysis

Catalogue Number 32482
Lot Number 002554-20190118
Product **Isoprenaline hydrochloride**

DL-Isoproterenol hydrochloride

CAS Number 51-30-9
Molecular Formula C₁₁H₁₇NO₃•HCl

Molecular Weight 247.72

Appearance White crystalline powder
Solubility Freely soluble in water, sparingly soluble in alcohol and less soluble in dehydrated alcohol. Insoluble in chloroform and ether
Odor Odorless
Melting Point 168 - 169 °C
Anion Sulfate : < 2000 ppm
Chloride : 14.4%
Infrared Spectrum Conforms to structure
Loss on Drying 0.02%
Organic Volatile Impurities Methanol : 90 ppm
Acetone : 50 ppm
Related Substances Limit of isoproterenone : 0.02%
Residue On Ignition 0.03%
¹H NMR Conforms to structure
Assay 100.2%
Grade USP
Storage Store at RT
Additional Information Taste : Slightly bitter
Gradually darkens on exposure to air and light. It's solution become pink to brownish pink on standing exposed to air, doing so almost immediately when rendered alkaline
Ultraviolet Absorption : Passes test

Certificate of Analysis

Catalog Number: 32482

Lot Number: 002554-20190118

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