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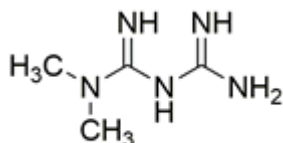
Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191



• HCl

Product Specifications

Catalogue Number 38042

Product

Metformin hydrochloride

1,1-Dimethylbiguanide hydrochloride

Metformin hydrochloride

CAS Number 1115-70-4

Molecular Formula C₄H₁₁N₅•HCl

Molecular Weight 165.63

Appearance White to almost white crystalline powder

Solubility Freely soluble in water, slightly soluble in ethanol (95%), practically insoluble in Acetone, Chloroform, Methylene dichloride and Ether.

Heavy Metals ≤ 20 ppm

Loss on Drying ≤ 0.5%

Residual Solvents Methanol : ≤ 3000 ppm
Xylene : ≤ 2170 ppm

Particle Size 100% passes through 100 mesh

Related Substances Dicyandiamide : ≤ 0.02%
Any other impurity : ≤ 0.1%

Sulfated Ash ≤ 0.1%

Assay by titration 98.5 - 101.0% (By potentiometer on dried substance)

Storage Store at 2 - 8 °C

Additional Information Identification :
Test A : Infrared spectrum : Conforms to structure
Test B : An Orange-red color should be produced which darkens on keeping.
Test C : A wine red color develops within 3 minutes.
Test D : For Chloride : To pass test

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For Laboratory Use Only