

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 32464
Product **3,4-Dihydroxy-L-phenylalanine**

Lot Number 002681-18011101

Levodopa

CAS Number 59-92-7

Molecular Formula C₉H₁₁NO₄

Molecular Weight 197.19

Appearance White powder

Appearance of Solution The solution is not more intensely colored than reference solution BY6

Solubility Slightly soluble in water, practically insoluble in ethanol (96%), freely soluble in 1M HCl & sparingly soluble in 0.1M HCl

Heavy Metals < 10 ppm

pH 5.50

Mould and Yeast < 300 cfu/g

Optical Rotation [α]_D²⁰ = - 161.8°

Infrared Spectrum Conforms to structure

Loss on Drying 0.21%

E. Coli Negative

Microbial Count < 10,000 cfu/g (Total plate count)

Salmonella Negative

Related Substances Impurity A : 0.04%
Impurity B : Not detected
Impurity C : Not detected
Impurity D : Not detected
Un-specified impurity : 0.03%
Total impurity : 0.07%

Sulfated Ash 0.07%

Assay by titration 99.19% (dry basis)

Storage Store at RT

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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