

L-GLUTAMIC ACID FOR BIOCHEMISTRY

PRODUCT CODE

R01224

SYNONYMS
[L- α -Aminoglutaric acid]
C.I. NO.

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CASR NO.

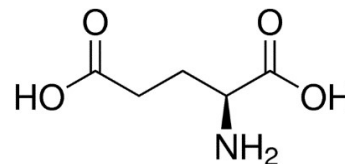
(56-86-0)

ATOMIC OR MOLECULAR FORMULA
 $C_5H_9NO_4$
ATOMIC OR MOLECULAR WEIGHT

147.13

PROPERTIES

Practically insoluble in methanol, ethanol, ether,
acetone and cold glacial acetic acid. Sublimes at
200°C


PARAMETER
LIMIT
Description

White crystalline powder.

Solubility

5% solution in dilute HCl is clear and colourless.

**Minimum Assay
(Non-aqueous)**

99.0%

20°
**Specific Rotation * (α) D
C=2 in 10% HCl]**

+30° to +32°

MAXIMUM LIMIT OF IMPURITIES
Sulphated ash

0.1%

Ammonium (NH₃)

0.02%

Chloride (Cl)

0.03%

Sulphate (SO₄)

0.03%

Iron (Fe)

0.001%

Loss on drying (at 110°C)

0.5%

Heavy Metals (Pb)

0.001%

**Note(s): Assay (if applicable) method
mentioned.**
WARNING
Hazard statements: Not hazardous. No hazards.

Precautionary statements
Prevention:

Response:
Disposal:

IMDG Code :--

UN No. :--

IATA :--

Hazard Pictogram(s) :--


Replace Date 1 April 2023

GHS05

GHS07

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