



Version	00
Molecular weight	147.13
Quality Test / Release Date	06/14/2022
Molecular Formula	C5 H9 N O4
CAS No	6893-26-1
Linear Formula	HO2CCH2CH2CH(NH2)CO2H
Flash Point (°C)	

Certificate of Analysis

Products are processed under ISO 9001:2015 quality management systems and samples are tested for conformance to the noted specifications. Certain data may have been supplied by third parties. We disclaim the implied warranties of merchantability and fitness for a particular purpose, and the accuracy of third party data or information associated with the product. Products are for research and development use only. Products are not for direct administration to humans or animals. It is the responsibility of the final formulator or end user to determine suitability, and to qualify and/or validate each product for its intended use.

Catalog Number	22789	Quality Test / Release Date	06/14/2022
Lot Number	A0442486	Suggested retest date	06/14/2027
Description	D(-)-Glutamic acid,99+%		
Country of Origin	CHINA		
Declaration of Origin	other		

BSE/TSE	
Chemical	

Result name	Specifications	Test Value
Appearance (Color)	White to off-white	White
Appearance (Form)	Powder	Powder
Infrared spectrum	Conforms	Conforms
Titration with NaOH	99.0 to 101.0 %	100.7 %
Loss on drying	=<0.2 % (105°C, 3 hrs)	0.01 % (105°C, 3 hrs)
Sulfated ash	=<0.1 %	0.07 %
Other amino acids	=<0.5 % (TLC)	=<0.5 % (TLC)
Specific optical rotation	-30.5° to -32.2° (20°C, 589 nm) (c=10, 2 N HCl)	-31.3° (20°C, 589 nm) (c=10, 2 N HCl)
HPLC	=<1 % L-content	=<1 % L-content

C. Wygaerts, QA Manager

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