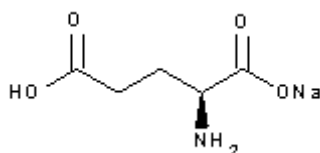
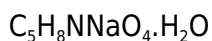


**PRODUCT CODE: 141683****Sodium L-Glutamate 1-hydrate (USP-NF) pure, pharma grade**



M.= 187,13

CAS [6106-04-3]

EINECS 205-538-1

TARIC 2922 42 00 10

SYNONYMS: (S)-(+)-2-Aminoglutaric Acid mono-Sodium Salt, (S)-Glutamic Acid mono-Sodium Salt**PHYSICAL DATA:** crystalline powder, White, Soluble in water. M.P.: 225 - 240 °C • pH(10% sol.) 6,5 - 7,5 •**BIBLIOGRAPHY:** Merck Index **12**, 6.337 13, 6.278 Römp **8**, **2736** • Beilstein **4**, **488 IV**, **3031** • BRN 4164348 •USP -**NF 36** • F.C.C **10 11** • BOE **243**(8-10-2009) • Regulation (EU) n° 231/2012 •**HAZARDOUS:** RTECS: MA 1578000 • LD50 oral mus 16.400 mg/kg • LD50 oral rat 16.600 mg/kg •**SPECIFICATIONS:**

Assay (Perchl. Ac.)	99,0-100,5%
Identity :	
Identity according to Pharmacopoeias:	passes test
pH of 5% solution	6,7-7,2
Specific rotation [α] 20/D c=10 (in HCl 2 mol/l)	+24,8 - +25,3°
Maximum limit of impurities	
Insoluble matter in H2O	0,05 %

Loss on drying at 100°C	0,5%
Chloride (Cl)	0,2%
Sulfate (SO ₄)	0,05%
Clarity and colour of solution	passes test
Residual solvents (Ph.Eur/USP)	passes test
Heavy metals (as Pb)	0,001%
As	0,00015 %
Cu	0,001 %
Fe	0,001 %
Ni	0,001 %
Pb	0,001 %

Elemental impurities according to the ICH Q3D guide: Cadmium and Lead can be present below 1 ppm. The rest of the elements of class 1-3 are not likely to be present above the limits of ICH Q3D option 1.

Ed.: 6 . Vig.: 08.11.2017 .

Prod.: 141683