
SPECIFICATION

ASPARTAM, FOOD GRADE

Code: C4 120
CAS: [22839-47-0]
EINECS: 245-261-3

	Specification	Unit
IR identification	Conform with norm	/
Assay	98,0 – 102,0	% (w/w)
Loss on drying	max. 4,5	% (w/w)
(5-Benzyl-3,6-dioxopiperazin-2-yl) acetic acid	max. 1,5	% (w/w)
Loss on ignition	max 0,2	% (w/w)
Heavy metals (as Pb)	max. 10	mg/kg
As (Arsenic)	max. 3	mg/kg
Pb (Lead)	max. 1	mg/kg
Optical rotation	14,5 – 16,5	/
Transmittance	min. 95,0	%
pH	4,5 – 6,0	/
Conductivity	max. 30	µS/cm
Related substances	max. 1,5	% (w/w)
L-phenylalanine	max. 0,5	% (w/w)
Other optical isomers	max. 0,04	% (w/w)
Solvent residue	Conform	/
Solvent appearance	Clear, max GY6	/
Total plate count	max. 250	cfu/g
Yeasts and molds	max. 100	cfu/g
Coliforms	max. 10	cfu/g
E. coli	negative	cfu/g
Salmonella ssp (absent in 25 g)	negative	cfu/25g
Sieve residue 0,850 mm	max. 3	%
Sieve residue 250 µm	80 – 100	%
Sieving through 180 µm	max. 3,5	%
Bulk density	0,5 - 0,7	mg/kg
