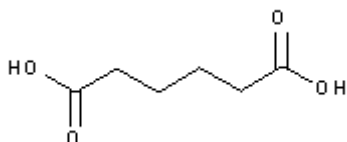
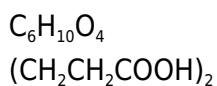


**PRODUCT CODE: 142342****Adipic Acid (USP-NF, BP, Ph. Eur.) pure, pharma grade**



M.= 146,14

CAS [124-04-9]

EINECS 204-673-3

TARIC 2917 12 00 10

PHYSICAL DATA: crystalline powder, White, Soluble in water 14 g/l at 20 °C D 1,36 • M.P.: 152 °C • B.P.: 337,5 °C • Ign. T.:420 °C • Vap. press. (20 °C) 0,001 hPa •

BIBLIOGRAPHY: Merck Index **13**, 163 14, 166 Sax **AEN250** • Safety **2** , **68 D** • Beilstein **2** , **649 I** , **277 II** , **572 III** ,**1705 IV** , **1956** • BRN 1209788 • Fieser **115** • BP.**2018** • USP -**NF 36** • Ph. Eur. **8.0** (2014) 9269.0 (2017) • F.C.C **10 11** • BOE **15222600**(26-06-01)**243**(8-10-2009) • Regulation (EU) n° 231/2012 •

HAZARDOUS: C.E: 607-144-00-9 • RTECS: AU 8400000 • LD50 oral mus 1.900 mg/kg • LD50 oral rat 11.000 mg/kg • LD50 ipr rat 275 mg/kg VLA-ED 5 mg/m3



H: H319 •

P: P264 • P280 • P305+P351+P338 • P337+P313 •

SPECIFICATIONS:

Assay (Acidim.) calc. a.d.s.
Identity :

99,0-101,0 %

Identity according to Pharmacopoeias:	passes test
Melting range	151-154°C

Maximum limit of impurities

Appearance of solution	passes test
Insoluble matter in H ₂ O	0,05 %
Loss on drying at 105°C	0,2%
Residue on ignition (as SO ₄)	0,1 %
Chloride (Cl)	0,01%
Sulfate (SO ₄)	0,01%
Related substances:	
Individual	0,1%
Total	0,5%
Nitrate (NO ₃)	0,003%
Heavy metals (as Pb)	0,001%

Fe	0,001 %
----	---------

Elemental impurities (ICH Q3D):

Class 1

Cd	0,5 ppm
Pb	0,5 ppm
As	1,5 ppm
Hg	1,5 ppm

Class 2A

Co	5 ppm
V	10 ppm
Ni	20 ppm

Class 2B

Tl	0,8 ppm
Au	10 ppm
Pd	10 ppm
Ir	10 ppm
Os	10 ppm
Rh	10 ppm
Ru	10 ppm
Se	15 ppm
Ag	15 ppm
Pt	10 ppm

Class 3

Li	55 ppm
Sb	120 ppm
Ba	140 ppm
Mo	25 ppm
Cu	250 ppm
Sn	600 ppm
Cr	25 ppm