

DETAILS

CAS	124-04-9
IUPAC systematic name	hexanedioic acid
Other names	butane-1,4-dicarboxylic acid
Molecular Formula	C ₆ O ₄ H ₁₀
Structure	HOOC(C ₂) ₄ COOH
SMILES	OC(=O)CCCC(=O)O
Molar Mass	146.14 g/mol
Origin	UKRAINE



Adipic 25Kg sacks / shrunken wrapped



Adipic Acid in "Big Bags"

INFORMATION

Uses	By far the main use of Adipic Acid is as a monomer for the production of nylon; forming 6,6-nylon, the most common form of nylon. There are also alternative major volume uses in the manufacture of polyurethane foams and elastomers; the preparation of esters for use as plasticisers and lubricants; adhesives; conservatives in the food industry; baking powders; in the pharmaceutical industry as an additive (acidulant); and in the printing industry for high-grade paper manufacturing. Further information is available on the Valetime Group web site .
Appearance & Colour	White crystals. Adipic acid is a white crystalline substance exhibiting all carboxylic acids characteristics.
Packing	Adipic Acid is available palletised in: 25 Kg sacks with product packed in PE liners and inserted into PP sacks of net weight 25±0.4kg, 500 Kg or 1000 Kg FIBCs ("Big Bags") constructed of woven PP with laminated PE lining, 4 x lifting loops and bottom discharge chute. Net weight ±5kg, Loadings for FCL's are 20MT per 20' or 26MT per 40' container. Trucks load at 21MT or 21.5MT.
Storage	Packaged, inside dry warehouses, at 50°C maximum. Guaranteed storage life is 1 year from production date.
Standards	Adipic Acid is manufactured to meet the following standards: GOST 10558-80. REV. 1,2,3 PREMIUM; and TU UKRAINE 6-05761672. 178-98, IMPROVED.
Safety	Adipic Acid is not classified as hazardous for transport. MSDS is available on the Valetime Group web site.

SPECIFICATION

Specification	TU-U6-05761672.178-98
Mass portion of Adipic Acid, %, not less than	99.8
Colour of solution (Solvent colour) by platinum-cobalt (PT-Co) scale, Hazen Units, not more than	2.5
Colour of melt (Molten colour) by platinum-cobalt (PT-Co) scale, Hazen Units, not more than	30
Temperature of melt (range), °C, minimum	152.0 (- 155.0)
Mass portion of water, %, not more than	0.18
Mass portion of ash, %, not more than	0.0015
Mass portion of nitric acid, %, not more than	0.0003
Mass portion of iron, %, not more than	0.00005
Mass portion of oxalic acid, %, not more than	0.004

Heavy Metal Content

As	< 0,00001 %	Hg	< 0,00001 %
Ba	< 3*10 ⁻⁶ %	Pb	< 5*10 ⁻⁶ %
Cd	< 0,25*10 ⁻⁶ %	Sb	< 3*10 ⁻⁶ %
Cr	< 25*10 ⁻⁶ %	Se	< 5*10 ⁻⁶ %