

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 / shrunk wrapped



Adipic Acid in "Big Bags"

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 %

EXAMPLE ANALYSIS

Specification	Production date: November 2008		
Lot Number		#747	#753
Production date	Specification	07/11/2008	10/11/2008
Mass portion of Adipic Acid, %, not less than	99.8	99.9	99.9
Colour of solution (Solvent colour) by platinum-cobalt (PT-Co) scale, Hazen Units, not more than	2.5	1.0	1.0
Colour of melt (Molten colour) by platinum-cobalt (PT-Co) scale, Hazen Units, not more than	30	20	20
Temperature of melt (range), °C, minimum	152.0 (– 155.0)	153.2	153.2
Mass portion of water, %, not more than	0.18	0.18	0.18
Mass portion of ash, %, not more than	0.0015	0.00059	0.00050
Mass portion of nitric acid, %, not more than	0.0003	0.00004	0.00004
Mass portion of iron, %, not more than	0.00005	0.00004	0.00004
Mass portion of oxalic acid, %, not more than	0.004	0.001	0.001

Actual test results and chemical characteristics for Adipic Acid production, lot number and production date as identified.