

EXAMPLE Certificate of Analysis



Valetime Group

International Trade & Business Development

EASTERN EUROPEAN OPERATIONS – Valetime Group
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Date of Manufacture Various – as indicated
Contract Number Previous Adipic Acid shipments
Product ADIPIC ACID

Analysis

VT Example COA

Batch number	Standard	#337	#164	#163	#148	#128	#789	#719
Date of batch		11.05.05	05.03.05	04.03.05	27.02.05	19.02.05	13.11.2004	20.10.04
Mass portion of adipic acid, %, not less than	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
Colour of solution by platinum-cobalt scale, not more than Hazen units	2.5	1.2	1.1	1.2	1.2	1.1	1.1	1.1
Colour of melt by platinum-cobalt scale, not more than Hazen units	30	15	20	15	15	20	15	20
Temperature of melt, °C	152.0 – 155.0	153.1	153.2	152.9	153.3	153.2	153.0	153.2
Mass portion of water, %, not more than	0.18	0.12	0.11	0.14	0.12	0.12	0.14	0.11
Mass portion of ash, %, not more than	0.0015	0.00062	0.00063	0.00050	0.00062	0.00050	0.00050	0.00075
Mass portion of nitric acid, %, not more than	0.0003	0.000041	0.000041	0.0001	0.000040	0.000048	0.0001	0.001
Mass portion of iron, %, not more than	0.00005	0.00003	0.00003	0.00003	0.00004	0.00003	0.00003	0.00005
Mass portion of oxalic acid, %, not more than	0.004	0.001	0.001	0.001	0.002	0.001	0.001	0.001

We hereby certify the above actual tested results (for the batches shown against specification shown in the second column above) were supplied under various Valetime contracts.

Paul M Jones (Director – Valetime Group Limited)