

EXAMPLE Certificate of Analysis



Valetime Limited

International Trade & Business Development

EASTERN EUROPEAN OPERATIONS – Valetime Limited
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Date of Manufacture Various – as indicated
Contract Number Previous Adipic Acid shipments
Product CARBON BLACK (Special Black) grade N330

Analysis

VT Example COA

Batch number	Unit	Standard	1329	847	887
Date of batch			01.11.04	24.07.04	02.08.04
Iodine Absorption Number	g/kg	82 ± 5	83.8	81.3	81.3
DBP Absorption Number	cc/100g	102 ± 5	101.8	101.2	101.8
pH Value		7 – 10	8.4	8.1	7.8
Heating Loss at 125°C, max	%	1.0	0.38	0.42	0.3
Ash Content, max	%	0.45	0.12	0.1	0.1
Sieve Residue 45µm, max (35 US Std. Sieve)	ppm	500	85	95	80
Sieve Residue 500µm, max (35 US Std. Sieve)	ppm	10	7	8	7
Sulfur Content, max	%	1.1	0.7	0.69	0.7
Fines Content, max	%	Hopper 7; packing 15	2.2	2.2	2.2
Pellet hardness, Individual, max	g	10 – 50	24	27	32
Four Density, min	Kg/m ³	340	371	386	381
Toluene Discoloration, min	%	90	93	95	93

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 (Associate Director – Valetime Limited)