



Certificate of Analysis/Conformance
Granular Activated Carbon

To: Carbochem SA

Supplier: **Carbochem Inc.**
326 West Lancaster Avenue
Ardmore PA, 19003-1228
USA

P.O. No.: CCSA0008

Material: Virgin Coal Based Granular Activated Carbon

Material Code: Carbochem®LQ-1240

Delivery Date:

Batch No : 061Z02

Quantity: 22 MT

Container No:

Tamper Proof Seal Identification:

Certificate of Conformity and Analysis

The Granular Activated Carbon described above complies with the Coca-Cola 'Granular Activated Carbon for Water Treatment – Specifications' and meets legislation for use in foods. CARBOCHEM® LQ-1240 exceeds the minimum requirements of ANSI/AWWA B604-96. CARBOCHEM® LQ-1240 has been certified for ANSI/NSF Standard 61.

In addition, the granular activated carbon supplied is nontoxic and nonhazardous and has been sampled, tested and meets the following minimum specifications:

<u>Test Parameter</u>	<u>Test Method</u>	<u>Specification</u>	<u>Test Result</u>
Iodine Number	ASTM 4607-99	≥ 850 mg/g	<u>949 mg/g</u>
Apparent Density	ASTM 2854	≥ 0.45 g/cc	<u>0.5 g/cc</u>
Water Extractable Substances	ASTM 5029-98	≤ 0.5% w/w	<u>0.3%</u>
Total Heavy Metals (as Pb)	FCC	≤ 10 ppm	<u>3 ppm</u>
Arsenic	FCC	≤ 3 ppm	<u>1.1 ppm</u>
Lead	FCC	≤ 10 ppm	<u>< 0.1 ppm</u>
Dechlorination Value	DIN 19603	≤ 3 cm	<u>2.2 cm</u>
Abrasion Number	AWWA B604-96	≥ 80%	<u>82</u>
Total Ash	ASTM 2866-99	≤ 12% w/w	<u>11.6%</u>
Cyanogen Compounds	FCC	Pass Test	<u>Pass</u>
PAH	FCC	Pass Test	<u>Pass</u>
Moisture	ASTM 2867	≤ 3%	<u>1.3%</u>
Undersize	ASTM 2862-97	5% max	<u>1.4%</u>
Uniformity Coefficient	AWWA B604-96	2.1 max	<u>1.7</u>

Date: 7/15/11

Signed: 