

Geosonda  
Attn.  
Selo Sredno Egri  
7000 Bitola  
Macedonia

## Certificate of Analysis

**Report date** 15 August 2022  
**Our reference** ANA2022-2005/ version1/ Coca Cola  
**Your reference**

<b>Triskelion sample ID</b>	<b>Date received</b>	<b>Client sample ID</b>	<b>Client sample description</b>
ANA2022-2005/001	01 June 2022	LCO2, Geosonda	Triskelion Cylinder

Component	Result	Detection limit	Coca Cola limit	Technique
Appearance of solid CO2	No color	-	Pass	-
Appearance in Water	No color	-	Pass	-
Color in Water	No color	-	Pass	-
Non-volatile organic residue	<5	5 ppm (w/w)	< 5 ppm (w/w)	Gravimetrie
Non-volatile residue	<10	10 ppm (w/w)	< 10 ppm (w/w)	Gravimetrie
Ammonia	<0.25	0.25 ppm (v/v)	< 2.5 ppm (v/v)	Drägartube
HCN	<0.5	0.5 ppm (v/v)	< 0.5 ppm (v/v)	Drägartube
Nitric Oxide	<0.5	0.5 ppm (v/v)	< 2.5 ppm (v/v)	Drägartube
Nitrogen Dioxide	<0.5	0.5 ppm (v/v)	< 2.5 ppm (v/v)	Drägartube
Phosphine	<0.1	0.1 ppm (v/v)	< 0.3 ppm (v/v)	Drägartube
Vinylchloride	<0.5	0.5 ppm (v/v)	< 0.5 ppm (v/v)	Drägartube
Acetaldehyde	<0.02	0.02 ppm (v/v)	< 0.2 ppm (v/v)	GC-FID
Aromatic Hydrocarbons	<0.02	-	< 0.020 ppm (v/v)	GC-PID
Benzene	<0.005	0.005 ppm (v/v)	-	GC-PID
C1-C4 Sulphur Compounds	<0.3	0.3 ppm (v/v)	< 0.3 ppm (v/v)	GC-MS
Carbonyl Sulphide	<0.1	0.1 ppm (v/v)	< 0.1 ppm (v/v)	GC-MS
Ethylbenzene	<0.005	0.005 ppm (v/v)	-	GC-PID
Ethylene Oxide	<0.05	0.5 ppm (v/v)	-	GC-FID
Hydrogen Sulphide	<0.1	0.1 ppm (v/v)	< 0.1 ppm (v/v)	GC-MS
Total volatile Hydrocarbons (as Methane)	<50	-	< 50 ppm (v/v)	THC
Methane	2.5	0.5 ppm (v/v)	-	THC
Methanol	<0.2	0.2 ppm (v/v)	< 10 ppm (v/v)	GC-FID
Moisture	<10	10 ppm (v/v)	< 20 ppm (v/v)	EH
Total volatile non-Methane Hydrocarbons (as Methane)	<5	5 ppm (v/v)	< 20 ppm (v/v)	THC
Sulphur Dioxide	<0.05	0.05 ppm (v/v)	< 1 ppm (v/v)	TSA
Toluene	<0.005	0.005 ppm (v/v)	-	GC-PID
Total Sulphur (as S) (excluding SO2)	<0.05	0.05 ppm (v/v)	< 0.1 ppm (v/v)	TSA
Xylenes	<0.005	0.005 ppm (v/v)	-	GC-PID
Carbon Monoxide	<2	2 ppm (v/v)	< 10 ppm (v/v)	GC-HID
Oxygen	16	10 ppm (v/v)	< 30 ppm (v/v)	GC-HID
Odour in Water	No off odour	-	Pass	-
Odour of solid CO2	No off odour	-	Pass	-
Purity	>99.9	-	> 99.9%	Zahm Nagel
Taste in Water	No off Taste	-	Pass	-

Results are within the specifications of Coca Cola

EH = Electrolytic hygrometer  
FID = Flame Ionisation Detector  
GC = Gas Chromatography  
HID = Helium Ionisation Detector  
MS = Mass Spectrometer  
ND = Not detected above detection limit

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ANA2022-2005/001	25 March 2022	LCO2, Geosonda	Triskelion Cylinder

PID = Photo Ionisation Detector  
THC = Total Hydrocarbon Analyzer  
TSA = Total Sulphur Analyzer

## Remarks

## Approval



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