

Test Method	Result	Requirements
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MATERIAL ANALYSIS by EDXRF Screening Test

INTERTEK IHTM AL.2.011

Parameter	Sample
Lead (Pb)	NC
Cobalt (Co)	ND
Arsenic (As)	ND
Chromium (Cr)	NC
Barium (Ba)	ND
Cadmium (Cd)	NC
Antimony (Sb)	ND
Mercury (Hg)	ND
Selenium (Se)	ND
Zirconium (Zr)	ND
Nickel (Ni)	ND
Aluminium (Al)	NC
Boron (B)	ND
Copper (Cu)	NC
Manganese (Mn)	ND
Strontium (Sr)	ND
Tin (Sn)	ND
Organic Tin	ND
Zinc (Zn)	NC

ND = Not Detected
 NC = No Comment, Chemical analysis needed

HEAVY METALS AFTER TOTAL DIGESTION

TEST METHOD : With reference to USEPA 3050B / US EPA 3052, by acid digestion and determined by ICP-OES ISO 3613 followed by UV-VIS Determination

Parameter	Sample
Lead (Pb)	42 ppm
Chromium (Cr)	10 ppm
Cadmium (Cd)	11 ppm
Aluminium (Al)	247 ppm
Copper (Cu)	50 ppm
Zinc (Zn)	122 ppm

Test Method	Result	Requirements
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Polycyclic Aromatic Hydrocarbons (PAHs) Analysis

IHTM AL.2.032 based on AfPS GS 2014:01

SOLVENT EXTRACTION AND FOLLOWED BY GAS CHROMATOGRAPHY MASS SPECTROMETRIC (GC/MS) ANALYSIS

	RESULT (ppm)	
NAPHTHALENE	0.3 ppm	<1 ppm
ACENAPHTHYLENE	Not Detected	<1 ppm
ACENAPHTHEN	0.2 ppm	<1 ppm
FLUORENE	Not Detected	<1 ppm
PHENANTHRENE	0.3 ppm	<1 ppm
ANTHRACENE	Not Detected	<1 ppm
FLUORANTHENE	0.2 ppm	<1 ppm
PYRENE	0.5 ppm	<1 ppm
BENZO (a) ANTHRACENE	Not Detected	<1 ppm
CHRYSENE	Not Detected	<1 ppm
BENZO (b) FLUORANTHENE	Not Detected	<1 ppm
BENZO (k) FLUORANTHENE	Not Detected	<1 ppm
BENZO (a) PYRENE	Not Detected	<1 ppm
INDENO (1,2,3-cd) PYRENE	Not Detected	<1 ppm
DIBENZO (a,h) ANTHRACENE	Not Detected	<1 ppm
BENZO (ghi) PERYLENE	Not Detected	<1 ppm
BENZO(j)FLUORANTHENE	Not Detected	<1 ppm
BENZO(e)PYRENE	Not Detected	<1 ppm
ppm (part per million) =mg / kg		
Detection Limit = 0.1 ppm		

(Total uncertainty=±3%)