

To: Doug Went Enviro Tech Europe Ltd Bermuda House 45 High Street, Hampton Wick Kingston upon Thames Surrey KT1 4EH	Report No. RT/ELE/9581 Date: 17/11/2011
	Order No. 725 Quote No. QT/SUN/11K04 Sample Received 16/11/2011 Total Cost of Analysis £120

RoHS Risk Assessment

Introduction

Two homogenous samples were received from Enviro Tech Europe Ltd. It was XRF pre-screened for RoHS compliance.

ROHS Pre-screening

The technique used for the RoHS pre-screening was a Panalytical PW2400 wavelength dispersive X-Ray fluorescence spectrometer. This analysis was semi-quantitative and all failures must be run on different instrumentation. For quantitative analysis other instrumentation must also be used for example, ICP-OES. If the RoHS element is not detected or is below the Intertek pre-screening limits (see below) then the element has passed the RoHS pre-screening. This test is not UKAS accredited.

Lab Sample No: ITS-211233
Sample Description: Sample 1, Supercorr A

ANALYSIS	ACTUAL RESULTS	REPORTED RESULTS	UNITS
Concentration of Bromine	10	<200	ppm
Concentration of Cadmium	ND	<60	ppm
Concentration of Chromium	ND	<600	ppm
Concentration of Mercury	ND	<600	ppm
Concentration of Lead	ND	<600	ppm

Lab Sample No: ITS-211234
Sample Description: Sample 2, Supercorr A concentrate

ANALYSIS	ACTUAL RESULTS	REPORTED RESULTS	UNITS
Concentration of Bromine	40	<200	ppm
Concentration of Cadmium	ND	<60	ppm
Concentration of Chromium	ND	<600	ppm
Concentration of Mercury	ND	<600	ppm
Concentration of Lead	ND	<600	ppm

TEST RESULTS**Screening of Elements by Wavelength Dispersive X-Ray Fluorescence (WDXRF) Spectrometry**

Note: Estimated detection limits (ppm) of XRF for regulated substances in various matrices

Elements	Detection limit (ppm wt)	XRF pre-screening limits
Lead (Pb)	20	600
Mercury (Hg)	20	600
Cadmium (Cd)	20	60
Chromium (Cr)	20	600
Bromine (Br)	20	200

**Limit of Restriction of Hazardous Substances Directive
Elements RoHS/ELV Limits (ppm wt)**

Elements	Reporting limit (ppm wt)
Lead (Pb)	1000
Mercury (Hg)	1000
Cadmium (Cd)	100
Chromium VI (Cr)	1000
Polybrominated Biphenyls (PBBs)	1000
Polybrominated Diphenyl Esters (PBDEs)	1000

ND = Not Detected, below estimated detection limits (ppm)

NA = Not Applicable

< = Less Than

ppm = mg/kg

Analysis has been carried out on samples as received, independent of sampling procedure, using the latest versions of all test methods.

Samples will be disposed of after 1 month unless alternative arrangements have been made in agreement with the customer.

Reported By: 
Andrew Picton
Analyst

Checked By: 
Andy Geatches
Technical Specialist

Contact No.: +44(0)1932 732 130