

1.) Sample information

Material Identification: Crastin SK 645 FR GY812/PBT GF30
Testing Period: 10/July/2007

2.) Applied analytical techniques

Sample preparation: Pulverization/Homogenization of the sample material

Chromium, Lead, Cadmium: Inductively coupled plasma atomic emission spectrometry acc. EN ISO 11885 after microwave digestion with nitric acid/hydrogen peroxide based on EPA 3051 A

Mercury: Cold vapor atomic absorption spectrometry acc. DIN EN 1483 after microwave digestion with nitric acid/hydrogen peroxide based on EPA 3051 A

Bromine: X-ray fluorescence analysis (Screening analysis) with NITON Model XLt-797WZ portable X-ray fluorescence analyser acc. IEC 62321 CDV Ed. 2

PBDE/PBB: High resolution gas chromatography with mass-selective detector after soxhlet extraction with toluene based EPA 3540C

3.) Analytical results

Parameter		Value	Limit according Directive 2005/618/EC	Comment
Cadmium (Cd)		mg/kg < 3	100	
Lead (Pb)		mg/kg < 30	1000	
Mercury (Hg)		mg/kg < 10	1000	
Chromium, total (Cr)		mg/kg < 3	1000	Hexavalent chromium, Cr (VI)
Bromine (Br)		mg/kg 104,968	-	
PBDEs	Monobromo diphenyl ether	mg/kg < 5	1000	Sum of polybrominated diphenyl ethers
	Dibromo diphenyl ether	mg/kg < 5		
	Tribromo diphenyl ether	mg/kg < 5		
	Tetrabromo diphenyl ether	mg/kg < 5		
	Pentabromo diphenyl ether	mg/kg < 10		
	Hexabromo diphenyl ether	mg/kg < 10		
	Heptabromo diphenyl ether	mg/kg < 10		
	Octabromo diphenyl ether	mg/kg < 20		
	Nonabromo diphenyl ether	mg/kg < 30		
	Decabromo diphenyl ether	mg/kg < 50		
PBBs	Monobromo biphenyl	mg/kg < 5	1000	Sum of polybrominated biphenyls
	Dibromo biphenyl	mg/kg < 5		
	Tribromo biphenyl	mg/kg < 5		
	Tetrabromo biphenyl	mg/kg < 5		
	Pentabromo biphenyl	mg/kg < 10		
	Hexabromo biphenyl	mg/kg < 10		
	Heptabromo biphenyl	mg/kg < 10		
	Octabromo biphenyl	mg/kg < 20		
	Nonabromo biphenyl	mg/kg < 30		
	Decabromo biphenyl	mg/kg < 50		

Revision: A

³ n.a. = not analysed

Compliance List:

RoHS Directive 2002/95/EC
WEEE Directive 2002/96/EC
ELV Directive 2000/53/EC

Based on the performed tests on the submitted sample, the results **indicate no conflict** with the above directives and its subsequent amendments.



Günter Popp
Director of Quality Management



Peter Deisenhofer
Quality Management Engineer