

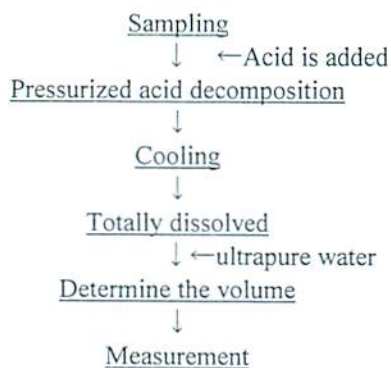
Test Report

Applicant  
Yamazaki Works Hitachi Chemical Co.,Ltd  
13-1,Higashi-cho 4-chome,Hitachi-shi  
Ibaraki,317-8555 Japan

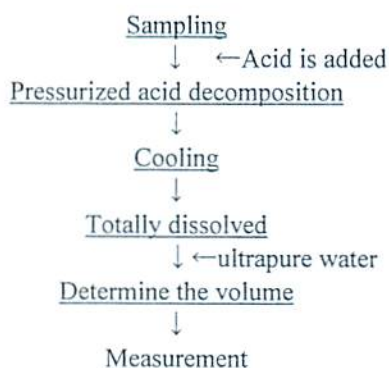
Hitachi Works,  
Hitachi Chemical Techno Service Co.,Ltd  
13-1,Higashi-cho 4-chome,Hitachi-shi Ibaraki,  
317-8555 Japan  
TEL+81-294-23-8013 / FAX+81-294-23-9108

Test name : Analysis of Cd,Pb,Hg,Cr(VI)and PBB,PBDE				
Sample name : EN-4000 (Produced Country:Japan, Produced Factory: Yamazaki Works, Lot:H099011)				
Sample Description : Adhesive				
Date of test : From 16th to 19th October 2009				
Test Results				
Type of Test	Result(lower limit)	Method		
		Pretreatment	Method of test	
Cadmium (Cd)	N.D. (<5mg/kg)	Based on EPA Method 3052	ICP-MS	
Lead (Pb)	N.D. (<5mg/kg)	Based on EPA Method 3052	ICP-MS	
Mercury (Hg)	N.D. (<5mg/kg)	Based on EPA Method 3052	ICP-MS	
Hexavalent chromium (Cr(VI))	N.D. (<0.5mg/kg)	Elution method	Diphenylcarbazides absorptiometry	
Polybrominated biphenyls (PBBs)	N.D. (<5mg/kg)	Solvent extraction	GC/MS	
Polybrominated diphenyl ethers (PBDEs)	N.D. (<5mg/kg)	Solvent extraction	GC/MS	
N.D.=Not Detected(Less than Quantitive lower Limit) Based on IEC62321 111/95/CDV				
Name of the person who measured : Analytical Technology Division, Hitachi Works, Hitachi Chemical Techno Service Co.,Ltd <i>SHUICHI TAKEUCHI</i> <i>HIDEMI NAKAYAMA</i>				
Remarks : Sample Mass Cd,Pb,Hg... 0.1g ,Cr(VI)... 3g ,PBBs,PBDEs... 0.3g : The test results are related only with the above-mentioned test items (Sample name, Type of Test , etc.). The test report shall not be reproduced except in full, without written approval of the laboratory.				
Date of publication : 21st October 2009				
Approved by HIROFUMI TAKAHASHI (Manager of Analytical Technology Division)				
Signature <u>高橋 宏文</u>				

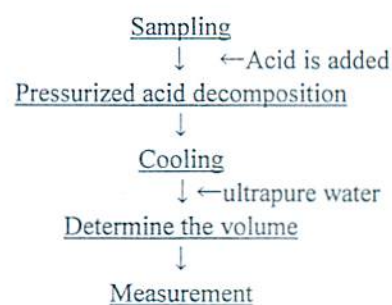
Pretreatment method of the Cadmium  
 Pressurized acid decomposition  
 (microwave decomposition method)



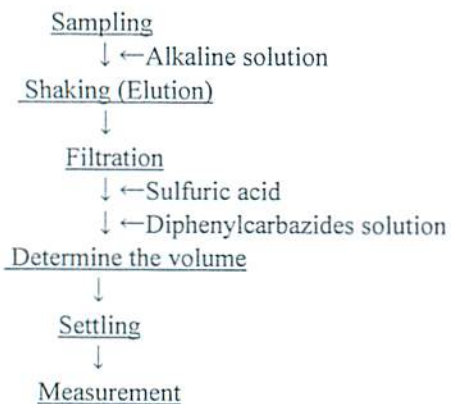
Pretreatment method of the Lead  
 Pressurized acid decomposition  
 (microwave decomposition method)



Pretreatment method of the Mercury  
 Pressurized acid decomposition  
 (microwave decomposition method)



Pretreatment method of the Hexavalent chromium  
 Diphenylcarbazides absorptiometry



Pretreatment method of the PBB  
 and PBDE



Table

Type of Test	Br	Result(lower limit)	Method	
			Pretreatment	Method of test
Polybrominated biphenyls (PBBs)	Mono	N.D.<5mg/kg	Solvent extraction	GC/MS
	Di	N.D.<5mg/kg		
	Tri	N.D.<5mg/kg		
	Tetra	N.D.<5mg/kg		
	Penta	N.D.<5mg/kg		
	Hexa	N.D.<5mg/kg		
	Hepta	N.D.<5mg/kg		
	Octa	N.D.<5mg/kg		
	Nona	N.D.<5mg/kg		
	Deca	N.D.<5mg/kg		
Polybrominated diphenyl ethers (PBDEs)	Mono	N.D.<5mg/kg	Solvent extraction	GC/MS
	Di	N.D.<5mg/kg		
	Tri	N.D.<5mg/kg		
	Tetra	N.D.<5mg/kg		
	Penta	N.D.<5mg/kg		
	Hexa	N.D.<5mg/kg		
	Hepta	N.D.<5mg/kg		
	Octa	N.D.<5mg/kg		
	Nona	N.D.<5mg/kg		
	Deca	N.D.<5mg/kg		