

APPLICANT : LG Chem, Ltd.

ADDRESS: 211, Hwangsae-ro,

Osan-si, Gyeonggi-do, Korea

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REPORT NO. RT24R-S0888-027-E DATE: Feb. 08, 2024

SAMPLE DESCRIPTION : The following submitted sample(s) said to be:-

NAME/TYPE OF PRODUCT : SP988(HD)

SAMPLE ID NO. : RT24R-S0888-027 MANUFACTURER/VENDOR : LG Chem, Ltd.

SAMPLE RECEIVED : Jan. 31. 2024

TESTING DATE : Jan. 31. 2024 ~ Feb. 08, 2024

TEST METHOD(S) : Please see the following page(s).
TEST RESULT(S) : Please see the following page(s).

* Note 1 : The test results presented in this report refer only to the object tested.

Approved by,

Authorized by,

Authenticity chec

Jade Jang / Lab. Technical Manager

Bo Park / Lab. General Manager

Intertek Testing Services Korea Ltd.





^{*} Note 2 : This report shall not be reproduced except in full without the written approval of the testing laboratory.



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REPORT NO. RT24R-S0888-027-E

DATE: Feb. 08, 2024

SAMPLE ID NO. : RT24R-S0888-027 SAMPLE DESCRIPTION : SP988(HD)

TEST ITEM	UNIT	TEST METHOD	MDL	RESULT
Cadmium (Cd)	mg/kg	With reference to IEC 62321-5 Edition 1.0 : 2013,	0.5	N.D.
Lead (Pb)	mg/kg	by acid digestion and determined by ICP-OES	5	N.D.
Mercury (Hg)	mg/kg	With reference to IEC 62321-4: 2013/AMD1: 2017, by acid digestion and determined by ICP-OES	2	N.D.
Hexavalent Chromium (Cr ⁶⁺)	mg/kg	With reference to IEC 62321-7-2 Edition 1.0: 2017, by alkaline/toluene digestion and determined by UV-VIS Spectrophotometer	8	N.D.
Polybrominated Biphenyl (PBBs)	1			
Monobromobiphenyl	mg/kg		5	N.D.
Dibromobiphenyl	mg/kg		5	N.D.
Tribromobiphenyl	mg/kg		5	N.D.
Tetrabromobiphenyl	mg/kg	With reference to	5	N.D.
Pentabromobiphenyl	mg/kg	IEC 62321-6 Edition 1.0 : 2015,	5	N.D.
Hexabromobiphenyl	mg/kg	by solvent extraction and	5	N.D.
Heptabromobiphenyl	mg/kg	determined by GC/MS	5	N.D.
Octabromobiphenyl	mg/kg		5	N.D.
Nonabromobiphenyl	mg/kg		5	N.D.
Decabromobiphenyl	mg/kg		5	N.D.
Polybrominated Diphenyl Ether (PBDEs)			I.
Monobromodiphenyl ether	mg/kg		5	N.D.
Dibromodiphenyl ether	mg/kg		5	N.D.
Tribromodiphenyl ether	mg/kg		5	N.D.
Tetrabromodiphenyl ether	mg/kg	With reference to	5	N.D.
Pentabromodiphenyl ether	mg/kg	IEC 62321-6 Edition 1.0 : 2015,	5	N.D.
Hexabromodiphenyl ether	mg/kg	by solvent extraction and	5	N.D.
Heptabromodiphenyl ether	mg/kg	determined by GC/MS	5	N.D.
Octabromodiphenyl ether	mg/kg]	5	N.D.
Nonabromodiphenyl ether	mg/kg]	5	N.D.
Decabromodiphenyl ether	mg/kg		5	N.D.

Tested by : Jooyeon Lee, Chano Kim, Hayan Park

Notes: mg/kg = ppm = parts per million

< = Less than

N.D. = Not detected (<MDL)
MDL = Method detection limit

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DATE: Feb. 08, 2024

REPORT NO. RT24R-S0888-027-E

SAMPLE ID NO. : RT24R-S0888-027 SAMPLE DESCRIPTION : SP988(HD)

TEST ITEM	CAS NO.	UNIT	TEST METHOD	MDL	RESULT
Dibutyl phthalate (DBP)	84-74-2	mg/kg	With reference to	50	N.D.
Di(2-ethylhexyl) phthalate (DEHP)	117-81-7	mg/kg		50	N.D.
Di-n-octyl phthalate (DNOP)	117-84-0	mg/kg		50	N.D.
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	mg/kg		100	N.D.
Diisodecyl phthalate (DIDP)	26761-40-0 68515-49-1	mg/kg	IEC 62321-8 Edition 1.0 : 2017, by solvent extraction	100	N.D.
Benzyl butyl phthalate (BBP)	85-68-7	mg/kg	and determined by GC/MS	50	N.D.
Diisobutyl phthalate (DIBP)	84-69-5	mg/kg		50	N.D.
Dimethyl phthalate (DMP)	131-11-3	mg/kg		50	N.D.
Diethyl phthalate (DEP)	84-66-2	mg/kg		50	N.D.

Tested by : Hayan Park

Notes: mg/kg = ppm = parts per million

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REPORT NO. RT24R-S0888-027-E

DATE: Feb. 08, 2024

SAMPLE ID NO. : RT24R-S0888-027 SAMPLE DESCRIPTION : SP988(HD)

* View of sample as received;-



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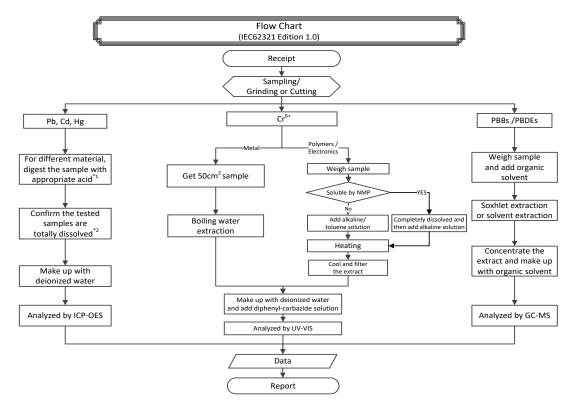


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DATE: Feb. 08, 2024

SAMPLE ID NO. : RT24R-S0888-027 SAMPLE DESCRIPTION: SP988(HD)



Remarks:
*1: List of appropriate acid:

_	List of appropriate acid:					
	Material	Acid added for digestion				
	Polymers	HNO ₃ , HCl, HF, H ₂ O ₂ , H3BO ₃				
	Metals	HNO₃, HCl, HF				
	Electronics	HNO ₃ , HCl, H ₂ O ₂ , HBF ₄				

^{*2 :} The samples were dissolved totally by pre-conditioning method according to above flow chart.

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REPORT NO. RT24R-S0888-027-E

DATE: Feb. 08, 2024

SAMPLE ID NO. : RT24R-S0888-027 SAMPLE DESCRIPTION : SP988(HD)

Receipt
Sample preparation
Extraction
Concentration
Concentration
Analyzed by GC-MS

Report

***** End of Report *****

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