

Extractables & Leachable

Description	See List
Country of Origin	Manufactured in India
Date of Issue (yyyy-mm-dd)	2023-06-05

VWR Catalogue Number	Product Description
210-000049	VWR PC SAMPLE BTTL 5ML ST CS100
210-000050	VWR PC SAMPLE BTTL 10ML ST CS100
210-000051	VWR PC SAMPLE BTTL 20ML ST CS100
210-000052	VWR PC SAMPLE BTTL 5ML NS CS100
210-000053	VWR PC SAMPLE BTTL 10ML NS CS100
210-000054	VWR PC SAMPLE BTTL 20ML NS CS100
210-000085	VWR PC SQ BTTL 30ML ST CS96
210-000086	VWR PC SQ BTTL 60ML ST CS96
210-000087	VWR PC SQ BTTL 125ML ST CS48
210-000088	VWR PC SQ BTTL 250ML ST CS48
210-000089	VWR PC SQ BTTL 500ML ST CS24
210-000090	VWR PC SQ BTTL 1L ST CS24
210-000091	VWR PC SQ BTTL 2L ST CS12
210-000092	VWR PC SQ BTTL 30ML NS CS96
210-000093	VWR PC SQ BTTL 60ML NS CS96
210-000094	VWR PC SQ BTTL 125ML NS CS48
210-000095	VWR PC SQ BTTL 250ML NS CS48
210-000096	VWR PC SQ BTTL 500ML NS CS24
210-000097	VWR PC SQ BTTL 1L NS CS24
210-000098	VWR PC SQ BTTL 2L NS CS12
210-000099	VWR PC SQ BTTL ONLY 30ML NS BULK CS280
210-000100	VWR PC SQ BTTL ONLY 60ML NS BULK CS200
210-000101	VWR PC SQ BTTL ONLY 125ML NS BULK CS96

VWR Catalogue Number	Product Description
210-000102	VWR PC SQ BTTL ONLY 250ML NS BULK CS60
210-000103	VWR PC SQ BTTL ONLY 500ML NS BULK CS40
210-000104	VWR PC SQ BTTL ONLY 1L NS BULK CS24

Lead (Pb), cadmium (Cd), mercury (Hg), chromium VI (Cr(VI)), polybrominated biphenyl (PBB), and polybrominated diphenyl ethers (PBDE) were not detected within the detection limit (<1.0mg/kg). It complies with 2011/65/EC on the restriction of the use of certain hazardous substances in electrical and electronic equipment. No detectable leachable/extractable found in testing of moulded products.

QUALITATIVE ANALYSIS:

1. EXTRACTION WITH WATER:

A) Semi-Volatile Organic Compounds:

Sl. No.	Organic Compound	Results	Detection Limit
1	4-Hydroxy-1-(2-Hydroxyethyl)-2,2,6,6 - tetramethylpiperidine	Not Detected	1 ppm
2	Millad 3988	Not Detected	1 ppm
3	Related to steramide	Not Detected	1 ppm
4	Irganox 1010	Not Detected	1 ppm
5	Irgafos 168 oxidized	Not Detected	1 ppm
6	n-Octadecylamine (C ₁₈ H ₃₉ N)	Not Detected	1 ppm
7	N-Hexadecylhexadecanamide(C ₃₂ H ₆₅ NO)	Not Detected	1 ppm
8	N-Hexadecyloctadecanamide (C ₃₄ H ₆₉ NO)	Not Detected	1 ppm
9	Iragfos 168	Not Detected	1 ppm
10	Amide (C ₃₄ H ₆₉ NO)	Not Detected	1 ppm
11	N-hexadecyloctadecanamide (C ₃₆ H ₇₃ NO)	Not Detected	1 ppm

B) Volatile Organic Compounds:

Sl. No.	Organic Compound	Results	Detection Limit
1	2-Methylbutane	Not Detected	1 ppm
2	n-Pentane	Not Detected	1 ppm
3	2-Methylpentane	Not Detected	1 ppm
4	2-Methyl-2-propanol	Not Detected	1 ppm
5	2-Methyl-1-pentene	Not Detected	1 ppm
6	2-Ethoxy-2-methylpropane	Not Detected	1 ppm
7	1,3-Epoxy-3-methylbutane	Not Detected	1 ppm
8	2-Methylhexane	Not Detected	1 ppm
9	3-Methylhexane	Not Detected	1 ppm
10	2-Methyl-2-butanol	Not Detected	1 ppm

2. EXTRACTION WITH ETHANOL:

A) Semi-Volatile Organic Compounds:

Sl. No.	Organic Compound	Results	Detection Limit
1	4-Hydroxy-1-(2-Hydroxyethyl)-2,2,6,6 - tetramethylpiperidine	Not Detected	1 ppm
2	Millad 3988	Not Detected	1 ppm
3	Related to steramide	Not Detected	1 ppm
4	Irganox 1010	Not Detected	1 ppm
5	Irgafos 168 oxidized	Not Detected	1 ppm
6	n-Octadecylamine (C ₁₈ H ₃₉ N)	Not Detected	1 ppm
7	N-Hexadecylhexadecanamide(C ₃₂ H ₆₅ NO)	Not Detected	1 ppm
8	N-Hexadecyloctadecanamide (C ₃₄ H ₆₉ NO)	Not Detected	1 ppm
9	Iragfos 168	Not Detected	1 ppm
10	Amide (C ₃₄ H ₆₉ NO)	Not Detected	1 ppm
11	N-hexadecyloctadecanamide (C ₃₆ H ₇₃ NO)	Not Detected	1 ppm

B) Volatile Organic Compounds:

Sl.No.	Organic Compound	Results	Detection Limit
1	2-Methylbutane	Not Detected	1 ppm
2	n-Pentane	Not Detected	1 ppm
3	2-Methylpentane	Not Detected	1 ppm
4	2-Methyl-2-propanol	Not Detected	1 ppm
5	2-Methyl-1-pentene	Not Detected	1 ppm
6	2-Ethoxy-2-methylpropane	Not Detected	1 ppm
7	1,3-Epoxy-3-methylbutane	Not Detected	1 ppm
8	2-Methylhexane	Not Detected	1 ppm
9	3-Methylhexane	Not Detected	1 ppm
10	2-Methyl-2-butanol	Not Detected	1 ppm

3. EXTRACTION WITH HEXANE:

A) Semi-Volatile Organic Compounds:

Sl. No.	Organic Compound	Results	Detection Limit
1	4-Hydroxy-1-(2-Hydroxyethyl)-2,2,6,6 - tetramethylpiperidine	Not Detected	1 ppm
2	Millad 3988	Not Detected	1 ppm
3	Related to steramide	Not Detected	1 ppm
4	Irganox 1010	Not Detected	1 ppm
5	Irgafos 168 oxidized	Not Detected	1 ppm
6	n-Octadecylamine (C ₁₈ H ₃₉ N)	Not Detected	1 ppm
7	N-Hexadecylhexadecanamide (C ₃₂ H ₆₅ NO)	Not Detected	1 ppm
8	N-Hexadecyloctadecanamide (C ₃₄ H ₆₉ NO)	Not Detected	1 ppm
9	Iragfos 168	Not Detected	1 ppm
10	Amide(C ₃₄ H ₆₉ NO)	Not Detected	1 ppm
11	N-hexadecyloctadecanamide (C ₃₆ H ₇₃ NO)	Not Detected	1 ppm

B) Volatile Organic Compounds:

Sl.No.	Organic Compound	Results	Detection Limit
1	2-Methylbutane	Not Detected	1 ppm
2	n-Pentane	Not Detected	1 ppm
3	2-Methylpentane	Not Detected	1 ppm
4	2-Methyl-2-propanol	Not Detected	1 ppm
5	2-Methyl-1-pentene	Not Detected	1 ppm
6	2-Ethoxy-2-methylpropane	Not Detected	1 ppm
7	1,3-Epoxy-3-methylbutane	Not Detected	1 ppm
8	2-Methylhexane	Not Detected	1 ppm
9	3-Methylhexane	Not Detected	1 ppm
10	2-Methyl-2-butanol	Not Detected	1 ppm

HEAVY METALS USING ACID DIGESTION (10% Nitric Acid)

ELEMENTAL ANALYSIS:

SL. NO.	TESTS	RESULTS	DETECTION LIMIT
1.	Elemental Analysis		
a.	Aluminum content as Al, ppm	Not Detected	0.01 ppm
b.	Arsenic content as As, ppm	Not Detected	0.01 ppm
c.	Cadmium content as Cd, ppm	Not Detected	0.01 ppm
d.	Lead content as Pb, ppm	Not Detected	0.01 ppm
e.	Mercury content as Hg, ppm	Not Detected	0.01 ppm
f.	Cobalt content as Co, ppm	Not Detected	0.01 ppm
g.	Nickel content as Ni, ppm	Not Detected	0.01 ppm
h.	Vanadium content as Va, ppm	Not Detected	0.01 ppm
i.	Chromium content as Cr, ppm	Not Detected	0.01 ppm
j.	Titanium content as Ti, ppm	Not Detected	0.01 ppm
k.	Zinc content as Zn, ppm	Not Detected	0.01 ppm

QUALITATIVE ANALYSIS

I. Non-Volatile Organic Residue (Based on Molecular Mass):

SL. NO.	TESTS	RESULTS
1	Extraction with Water	Nil
2	Extraction with Ethanol	Nil
3	Extraction with Methanol	Nil
4	Extraction with Acetonitrile	Nil

Disclaimer: VWR states that this declaration will not discharge the user from their obligation to ensure the product is suitable for the intended use. The purpose of the product is for use in laboratory only.
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