

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
VWRI210-000043	VWR PETG SAMPLE BTTL 5ML ST CS100
VWRI210-000044	VWR PETG SAMPLE BTTL 10ML ST CS100
VWRI210-000045	VWR PETG SAMPLE BTTL 20ML ST CS100
VWRI210-000046	VWR PETG SAMPLE BTTL 5ML ST BULK CS500
VWRI210-000047	VWR PETG SAMPLE BTTL 10ML ST BULK CS500
VWRI210-000048	VWR PETG SAMPLE BTTL 20ML ST BULK CS500
VWRI210-000055	VWR PETG SQ BTTL 30ML ST CS96
VWRI210-000056	VWR PETG SQ BTTL 60ML ST CS96
VWRI210-000057	VWR PETG SQ BTTL 125ML ST CS48
VWRI210-000058	VWR PETG SQ BTTL 250ML ST CS48
VWRI210-000059	VWR PETG SQ BTTL 500ML ST CS24
VWRI210-000060	VWR PETG SQ BTTL 1L ST CS24
VWRI210-000061	VWR PETG SQ BTTL 2L ST CS12
VWRI210-000062	VWR PETG SQ BTTL 30ML NS CS96
VWRI210-000063	VWR PETG SQ BTTL 60ML NS CS96
VWRI210-000064	VWR PETG SQ BTTL 125ML NS CS48
VWRI210-000065	VWR PETG SQ BTTL 250ML NS CS48
VWRI210-000066	VWR PETG SQ BTTL 500ML NS CS24
VWRI210-000067	VWR PETG SQ BTTL 1L NS CS24
VWRI210-000068	VWR PETG SQ BTTL 2L NS CS12
VWRI210-000069	VWR PETG SQ BTTL 30ML ST BULK CS280
VWRI210-000070	VWR PETG SQ BTTL 60ML ST BULK CS200
VWRI210-000071	VWR PETG SQ BTTL 125ML ST BULK CS96

VWR Catalogue Number	Product Description
VWRI210-000072	VWR PETG SQ BTTL 250ML ST BULK CS60
VWRI210-000073	VWR PETG SQ BTTL 500ML ST BULK CS40
VWRI210-000074	VWR PETG SQ BTTL 30ML NS BULK CS280
VWRI210-000075	VWR PETG SQ BTTL 60ML NS BULK CS200
VWRI210-000076	VWR PETG SQ BTTL 125ML NS BULK CS96
VWRI210-000077	VWR PETG SQ BTTL 250ML NS BULK CS60
VWRI210-000078	VWR PETG SQ BTTL 500ML NS BULK CS40
VWRI210-000079	VWR PETG SQ BTTL ONLY 30ML ST BULK CS280
VWRI210-000080	VWR PETG SQ BTTL ONLY 60ML ST BULK CS200
VWRI210-000081	VWR PETG SQ BTTL ONLY 125ML ST BULK CS96
VWRI210-000082	VWR PETG SQ BTTL ONLY 250ML ST BULK CS60
VWRI210-000083	VWR PETG SQ BTTL ONLY 500ML ST BULK CS40
VWRI210-000084	VWR PETG SQ BTTL ONLY 1L ST BULK CS24
VWRI210-000111	VWR HDPE NATURAL CAP 20-415 ST CS280
VWRI210-000112	VWR HDPE NATURAL CAP 24-415 ST CS200
VWRI210-000113	VWR HDPE NATURAL CAP 38-415 ST CS96
VWRI210-000118	VWR HDPE TE CAP 20-415 ST CS280
VWRI210-000119	VWR HDPE TE CAP 24-415 ST CS200
VWRI210-000120	VWR HDPE TE CAP 38-415 ST CS 96

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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