

RoHS Compliance

Product Type: Metal Oxide Varistors
Part Number Series: EV Series 5mm, 7mm, 10mm, 14mm, & 20mm

Test Results

Test Item (s):	Method (refer to)	Result		MDL
		No. 1	No. 2	
Cadmium (Cd)	(1)	n.d.	n.d.	2
Lead (Pb)	(2)	14	n.d.	2
Mercury (Hg)	(3)	n.d.	n.d.	2
Hexavalent Chromium Cr (VI) by alkaline extraction	(4)	n.d.	---	2
Hexavalent Chromium Cr (VI) by spot test/boiling water extraction	(5)	---	Negative	See Note 4
Sum of PBBs				
Monobromobiphenyl	(6)	n.d.	---	5
Dibromobiphenyl		n.d.	---	5
Tribromobiphenyl		n.d.	---	5
Tetrabromobiphenyl		n.d.	---	5
Pentabromobiphenyl		n.d.	---	5
Hexabromobiphenyl		n.d.	---	5
Heptabromobiphenyl		n.d.	---	5
Octabromobiphenyl		n.d.	---	5
Nonabromobiphenyl		n.d.	---	5
Decabromobiphenyl		n.d.	---	5
Sum of PBDEs				
Monobromodiphenyl ether	(6)	n.d.	---	5
Dibromodiphenyl ether		n.d.	---	5
Tribromodiphenyl ether		n.d.	---	5
Tetrabromodiphenyl ether		n.d.	---	5
Pentabromodiphenyl ether		n.d.	---	5
Hexabromodiphenyl ether		n.d.	---	5
Heptabromodiphenyl ether		n.d.	---	5
Octabromodiphenyl ether		n.d.	---	5
Nonabromodiphenyl ether		n.d.	---	5
Decabromodiphenyl ether		n.d.	---	5

TEST PART DESCRIPTION

No. 1: Mixed all parts of body.

No. 2: Silver colored metal pin (including plating layer).

NOTES

1. mg/kg = ppm; 0.1wt% = 1000ppm

2. n.d. = Not Detected

3. MDL = Method Detection List

4. **Spot-test** Negative = Absence of Cr (VI) coating/surface layer.

Positive = Presence of Cr (VI) coating/surface layer.

The test sample should be further verified by boiling-water-extraction method if the spot test result cannot be confirmed.

4. **Boiling Water Extraction:** Negative = Absence of Cr (VI) coating/surface layer.

Positive = Presence of Cr (VI) coating/surface layer: the detected concentration in boiling-water-extraction solution is greater than or equal to 0.02 mg/kg with 50 cm² sample surface area.

5. "-" = Not Regulated

6. "--" = Not Conducted.

7. The samples was/were analyzed on behalf of the applicant as mixing sample in one testing. The above results was/were only given as the informality value.