

Banned Substances Report Generated 10/25/05.
 Reference Report No.: GZSCR051078677/LP-2

RoHS Compliance

Product Type: Metal Oxide Varistors
Part Number Series: VZ series

Test Result

Analysis was performed by Inductively Coupled Plasma Atomic Emission Spectrometer (ICP-AES) / UV-VIS Spectrophotometer.

Heavy Metals	Test Method	Blue body w/brown printing (mixed)
Lead Content (Pb) (ppm)	With reference to EPA method 3050B: 1996 / other acid digestion.	11
Cadmium Content (Cd)	With reference to BS EN1122:2001 method B / other acid digestion.	N.D.
Mercury Content (Hg)	With reference to EPA 3052: 1996 / 7473:1998 / other acid digestion.	N.D.
Hexavalent Chromium Content [Cr(VI)]	With reference to EPA 3060A: 1996 & EPA 7196A: 1992.	N.D.

Flame Retardants	Test Method	Blue body w/brown printing (mixed)
Polybrominated Biphenyls (PBBs)		
Monobromobiphenyl	With reference to EPA 3540C / 3550C. Analysis was performed by GC / MS.	N.D.
Dibromobiphenyl		N.D.
Tribromobiphenyl		N.D.
Tetrabromobiphenyl		N.D.
Pentabromobiphenyl		N.D.
Hexabromobiphenyl		N.D.
Heptabromobiphenyl		N.D.
Octabromobiphenyl		N.D.
Nonabromodiphenyl		N.D.
Decabromodiphenyl		N.D.
Polybrominated Diphenylethers (PBDEs)		
Monobromodiphenyl ether	With reference to EPA 3540C / 3550C. Analysis was performed by GC / MS.	N.D.
Dibromodiphenyl ether		N.D.
Tribromodiphenyl ether		N.D.
Tetrabromodiphenyl ether		N.D.
Pentabromodiphenyl ether		N.D.
Hexabromodiphenyl ether		N.D.
Heptabromodiphenyl ether		N.D.
Octabromodiphenyl ether		N.D.
Nonabromodiphenyl ether		N.D.
Decabromodiphenyl ether		N.D.

N.D. = Not Detected (<5 ppm)
 ppm = mg/kg

Remark: The sample was analyzed on behalf of the applicant as mixing whole/part sample in one testing. The results in this report are an average of the whole sample. The results may deviate from the real data represented by homogenous material as requested by RoHS.