



131 Woodsedge Drive
Lansing Business & Technology Park
Lansing, NY 14882

Phone 607.533.7000 • Fax 607.533.9210
www.imrtest.com • E-mail imr@imrtest.com
Toll Free 888.464.8422

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Jim Maloney
Brady Corporation
P.O. Box 2999
Milwaukee, WI 53201-2999

IMR Report # 200402740G Rev. 1 (Material ID)

CERTIFICATE OF ANALYSIS

P.O. #: 4500274993
Date Received: March 25, 2004
Material: B-477
Description: Labels
Specification: EU Directive 2002/95/EC (RoHS), proposed maximum concentration values (MCVs)

I. SUMMARY

The B-477 labels were tested for lead, cadmium, mercury, hexavalent chromium, and bromine.

Based on the results, **sample B-477 complies** with the MCVs for lead, cadmium, mercury, hexavalent chromium, PBBs and PBDEs as proposed by the EU Commission in a pending amendment to the RoHS Directive.

II. RESULTS

Element	Sample ID# B-477 (ppm)	RoHS MCVs
Cd	<4	100 ppm
Pb	<4	1000 ppm
Cr ⁶⁺	<0.05	1000 ppm
Hg	0.002	1000 ppm
Br	<40	1000 ppm*

Results in ppm (ppm = parts per million = mg/kg); 0.1000% by wt = 1000 ppm.

Methods: **Cd, Pb:** CAP-046A (ICP-AES), BS EN 1122:2001 (modified)
Cr⁶⁺: GMW3034, April 2001; modified to include calibration curve to allow for report of observed values in ppm. GMW3034 is based upon ISO 3613.
Br: Motorola Material Assay Procedure 12G13933A20 (04-12-01 revision)
Hg: Direct Mercury Analysis (DMA), as described in EPA Method 7473.

*The limit is for PBBs and PBDEs; based on the result, the sample does not contain any intentionally added PBBs or PBDEs and the concentrations are below the MCVs.

Prepared by:



Timothy J. McGrady
Chemistry Department Manager

Reviewed by:



Lou Koconis
Laboratory Manager

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