

OCCUPATIONAL HYGIENE AND ENVIRONMENTAL MONITORING LABORATORY  
**TEST REPORT**

**Site:**  
Witham Oil and Paint Ltd

**Client:**  
Mrs T Bailey  
Workplace Monitoring Team Leader  
ESG - Compliance  
Derwent House  
Bretby Business Park  
Ashby Road  
Burton upon Trent  
DE15 0YZ

**Job Number:** 10316  
**Report Number:** OHEM/ 04685  
**Report Date:** 12/06/2013

Mass of Dust or Fume (mg) is the UKAS Accredited result given on this report.

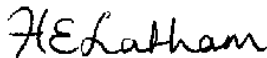
The determination of the other analytes shown in this report has been carried out by a UKAS Accredited sub-contract laboratory.

**Report Comment:**

Environmental Scientifics Group Limited Environmental Safety Compliance Division does not accept responsibility for the sampling associated with the results contained within this report.

All samples which have not been destroyed during extended analysis preparation procedures will be retained at the laboratory for a 3 month period unless otherwise agreed.

**Authorised by:**



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Helen Latham, Senior Analyst  
Occupational Hygiene & Environmental Monitoring  
Direct Dial: 01283 554486

Report Number OHEM/ 04685 ID Number 062009  
 Job Number 10316  
 Site Description Witham Oil and Paint Ltd  
 Sample B Smith - MMA Welding on Mild Steel Plate - TDH 684  
 Determination of Total Inhalable Dust: In House Method MORD2  
 Date Sampled 21/05/2013 Date Received 21/05/2013 Date Tested 29/05/2013  
 Sample Volume (m<sup>3</sup>) 0.02969 Dust Mass (mg) 1.551 LOD (mg) 0.005  
 Concentration (mg.m<sup>-3</sup>) 52.28 LOD (mg.m<sup>-3</sup>) 0.168

Analyte	Method	Detection Limit (mg)	Mass (mg)	Concentration (mg.m <sup>-3</sup> )	Date Analysed
Iron	ICP-AES	0.00003	0.16	5.3899	31/05/2013
Manganese	ICP-AES	0.00001	0.076	2.5602	31/05/2013
Phosphorus	ICP-AES	0.004	< 0.004	< 0.2	31/05/2013
Zinc	ICP-AES	0.00003	0.0007	0.0236	31/05/2013

# TEST REPORT

1205

Report Number OHEM/ 04685 ID Number 062010  
 Job Number 10316  
 Site Description Witham Oil and Paint Ltd  
 Sample B Johnson - MMA Welding on Mild Steel Plate - Zinc Free Primer - TD  
 Determination of Total Inhalable Dust: In House Method MORD2  
 Date Sampled 21/05/2013 Date Received 21/05/2013 Date Tested 29/05/2013  
 Sample Volume (m<sup>3</sup>) 0.02973 Dust Mass (mg) 0.596 LOD (mg) 0.005  
 Concentration (mg.m<sup>-3</sup>) 20.08 LOD (mg.m<sup>-3</sup>) 0.168

Analyte	Method	Detection Limit (mg)	Mass (mg)	Concentration (mg.m <sup>-3</sup> )	Date Analysed
Iron	ICP-AES	0.00003	0.056	1.8836	31/05/2013
Manganese	ICP-AES	0.00001	0.028	0.9418	31/05/2013
Phosphorus	ICP-AES	0.004	< 0.004	< 0.2	31/05/2013
Zinc	ICP-AES	0.00003	0.00085	0.0286	31/05/2013

# TEST REPORT

1205

Report Number OHEM/ 04685 ID Number 062011  
 Job Number 10316  
 Site Description Witham Oil and Paint Ltd  
 Sample B Johnson - MMA Welding on Mild Steel Plate - Zinc Primer - TDH 69  
 Determination of Total Inhalable Dust: In House Method MORD2  
 Date Sampled 21/05/2013 Date Received 21/05/2013 Date Tested 29/05/2013  
 Sample Volume (m<sup>3</sup>) 0.02972 Dust Mass (mg) 0.594 LOD (mg) 0.005  
 Concentration (mg.m<sup>-3</sup>) 20.02 LOD (mg.m<sup>-3</sup>) 0.168

Analyte	Method	Detection Limit (mg)	Mass (mg)	Concentration (mg.m <sup>-3</sup> )	Date Analysed
Iron	ICP-AES	0.00003	0.059	1.9855	31/05/2013
Manganese	ICP-AES	0.00001	0.028	0.9423	31/05/2013
Phosphorus	ICP-AES	0.004	< 0.004	< 0.2	31/05/2013
Zinc	ICP-AES	0.00003	0.0028	0.0942	31/05/2013