



**NT ENVIRONMENTAL
LABORATORIES**

**NORTHERN TERRITORY
ENVIRONMENTAL
LABORATORIES**

CHEMICAL ANALYSIS REPORT

SHERWIN IRON

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REPORT CODE: NT44426
Report Date: 20/10/2015
Samples Received: 16/10/2015
Number of Samples: 25

Report Distribution:
Tony Ryall

Purchase Order: SHD0464
Project: SHD0464
Cost Code: _____

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Report Details: **NATA ACCREDITATION No: 14610**
Samples were analysed between 16/10/15 and 20/10/15

Comments:

The samples to which the results are reported were drawn and / or provided by the Client or by a third party acting at the Client's direction. The results constitute no warranty of the sample's representativeness of any goods and strictly relate to the samples as received. Intertek accepts no liability with regard to the origin or source from which the samples are said to be collected.

Authorisation:

Islam Hamed



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ACCREDITATION**

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17025

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Methodology:

Analysis	Analytical Method	Technique	Accuracy/ Precision +/-%	Detection Data Limit Units	
Cr2O3	Iron Ore Analysis	XRF	10	0.01	%
Na2O	Iron Ore Analysis	XRF	10	0.01	%
LOI	Iron Ore Analysis	XRF	10	0.01	%
Fe	Iron Ore Analysis	XRF	1	0.01	%
Al2O3	Iron Ore Analysis	XRF	10	0.01	%
CaO	Iron Ore Analysis	XRF	10	0.01	%
K2O	Iron Ore Analysis	XRF	10	0.01	%
MgO	Iron Ore Analysis	XRF	10	0.01	%
MnO	Iron Ore Analysis	XRF	10	0.01	%
P	Iron Ore Analysis	XRF	10	0.001	%
S	Iron Ore Analysis	XRF	10	0.001	%
SiO2	Iron Ore Analysis	XRF	10	0.01	%
TiO2	Iron Ore Analysis	XRF	10	0.01	%
V2O5	Iron Ore Analysis	XRF	10	0.01	%
Total	Iron Ore Analysis	XRF	10	0.01	%

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Element:	Fe	Al2O3	CaO	Cr2O3	K2O	MgO	MnO	Na2O	P
	Iron Ore	Iron Ore	Iron Ore	Iron Ore	Iron Ore	Iron Ore	Iron Ore	Iron Ore	Iron Ore
Method:	Analysis	Analysis	Analysis	Analysis	Analysis	Analysis	Analysis	Analysis	Analysis
Units:	%	%	%	%	%	%	%	%	%
Sample ID									
MSW001	56.5	1.20	0.01	0.01	0.01	0.11	0.35	0.11	0.029
MSW002	21.2	2.44	0.04	0.01	0.03	0.13	0.27	0.07	0.012
MSW003	44.1	0.91	0.02	0.01	0.01	0.22	0.36	0.10	0.087
MSW004	41.2	0.76	0.02	0.01	0.17	0.54	6.90	0.10	0.086
MSW005	8.28	0.83	0.02	0.01	0.03	0.14	0.65	0.04	0.021
MSW006	18.0	6.15	0.03	0.01	0.22	0.19	0.51	0.10	0.032
MSW007	27.2	3.04	0.01	0.01	0.03	0.12	0.42	0.12	0.018
MSW008	18.5	3.87	0.09	0.01	0.07	0.13	0.24	0.06	0.070
MSW009	34.2	3.75	0.08	0.01	0.05	0.11	0.37	0.08	0.138
DEP-P001	23.2	1.27	0.03	0.01	0.13	0.55	0.80	0.06	0.007
DEP-P002	15.0	0.49	0.01	<0.005	0.04	0.14	0.77	0.05	0.021
DEP-P003	19.6	7.77	0.02	0.01	0.55	0.26	0.10	0.07	0.031
DEP-P004	13.4	1.33	0.12	<0.005	0.03	0.13	0.08	0.05	0.075
DEP-P005	12.2	1.77	0.13	0.01	0.09	0.13	0.07	0.05	0.072
DEP-P006	32.3	8.56	0.03	0.01	0.15	0.30	0.30	0.08	0.036
DEP-P007	43.3	0.94	0.04	<0.005	0.01	0.56	0.97	0.08	0.023
DEP-P008	20.2	6.70	0.02	0.01	0.47	0.24	0.10	0.06	0.032
DEP-P009	32.1	0.59	0.01	<0.005	0.02	0.50	0.37	0.07	0.018
DEP-P010	16.9	6.25	0.02	0.01	0.43	0.23	0.07	0.06	0.031
DEP-P011	20.3	0.41	<0.01	<0.005	<0.01	0.26	0.32	0.05	0.029
DEP-P012	37.8	8.53	0.03	0.01	0.12	0.19	0.33	0.07	0.030
DEP-P013	38.6	1.58	0.01	<0.005	<0.01	0.25	0.50	0.06	0.018
DEP-P014	22.2	0.43	0.01	0.01	0.01	0.12	0.15	0.05	0.007
DEP-P015	41.9	0.96	0.01	<0.005	<0.01	0.14	0.12	0.07	0.024
DEP-P016	24.6	0.30	<0.01	0.01	0.01	0.41	0.47	0.05	0.020

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Element:	S	SiO2	TiO2	V2O5	LOI	Total
Method:	Iron Ore Analysis	Iron Ore Analysis	Iron Ore Analysis	Iron Ore Analysis	Iron Ore Analysis	Iron Ore Analysis
Units:	%	%	%	%	%	%
Sample ID						
MSW001	0.040	14.8	0.03	0.01	2.92	100.2
MSW002	0.025	64.0	0.03	<0.005	2.36	99.6
MSW003	0.022	31.8	0.02	0.01	3.22	99.8
MSW004	0.046	25.7	0.02	0.01	7.11	100.3
MSW005	0.016	85.6	0.04	<0.005	1.23	100.4
MSW006	0.168	61.6	0.14	0.01	4.79	99.5
MSW007	0.042	53.5	0.04	0.01	4.29	100.4
MSW008	0.047	66.1	0.04	0.01	3.21	100.4
MSW009	0.044	43.2	0.05	0.01	3.43	100.2
DEP-P001	0.018	59.9	0.05	0.01	4.29	100.2
DEP-P002	0.018	75.5	0.03	<0.005	1.69	100.2
DEP-P003	0.007	58.6	0.29	0.03	3.77	99.5
DEP-P004	0.080	77.7	0.03	0.01	1.43	100.2
DEP-P005	0.155	78.4	0.03	0.01	1.72	100.0
DEP-P006	0.015	38.6	0.36	0.04	5.76	100.3
DEP-P007	0.022	30.6	0.02	0.01	4.66	99.8
DEP-P008	0.006	60.0	0.24	0.02	3.42	100.2
DEP-P009	0.017	46.9	0.01	0.01	5.40	99.7
DEP-P010	0.006	65.3	0.25	0.02	3.22	100.0
DEP-P011	0.026	67.3	0.02	0.01	2.36	99.8
DEP-P012	0.026	29.8	0.29	0.05	6.04	99.5
DEP-P013	0.046	38.6	0.03	0.01	3.60	99.8
DEP-P014	0.043	66.2	0.01	<0.005	1.00	99.7
DEP-P015	0.033	35.1	0.03	0.01	3.95	100.3
DEP-P016	0.060	60.8	0.01	0.01	3.01	100.1