

**PROVISIONAL CERTIFICATE OF ANALYSIS****14X MN5 (batch V)****Certified Reference Material Information**

Type: MANGANESE STEEL (CHILL-CAST)  
Form and Size: Disc ~40mm diameter  
Produced by: Maybrey Reliance  
Certified and supplied by: MBH Analytical Ltd.

**Provisional Composition****Percentage element by weight**

Element	C	Si	S	P	Mn	Ni	Cr	Mo
%	1.4	2.4	0.02	0.06	8.1	3.1	3.26	2.3

Element	Nb	Ta	Cu	Al	Ti	V	Sn
%	0.04	0.003	0.54	0.14	0.49	0.08	0.03

**Notes**

The above values are based on the very early results from an incomplete interlaboratory testing programme, which will be fully detailed on the final certificate. The stated values should be used for guidance only. This material should not be used for calibration purposes until formal certification is completed.

This document will be superseded in November 2017, and should not be used after that time.

This material will remain stable provided adequate precautions are taken to protect it from cross-contamination, extremes of temperature and atmospheric moisture.

The material to which this provisional certificate of analysis refers is supplied subject to our general conditions of sale.

**Certified By:**MBH ANALYTICAL LIMITED \_\_\_\_\_ on 25<sup>th</sup> January, 2017

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