

APPENDIX

Appendix 1: Hardness testing of as-cast and oxide-added Al 7075 before ageing.

MET-HEAT ENGINEERS PVT. LTD.
 METALLURGICAL LABORATORY ON APPROVED LIST OF VARIOUS
 GOVT. DEPARTMENTS & PUBLIC SECTOR UNDERTAKINGS (SINCE 1975)
 857/2, G.I.D.C. Industrial Estate, ERDA Road, Makarpura, Vadodara - 390 010, Gujarat, India.
 Telephone : +91-265-2632374, 2643655, 2648026, 7490052374, 7490035655
 E-mail : info@metheat.com • Website : www.metheat.com • CIN : U28939GJ1996PTC029934 ORIGINAL COPY

TEST REPORT WO:22-05-1453 Sr. No. 3CM / 12 -X-Cr-

Customer's Name	: DEVANG V MAHANT	ULR - TC772622000035392P
	MAT & MATERIAL ENGG DEPT.	Test Report No. : 46BH-22/ 2022
Particulars of Sample	: ALUMINIUM PIECE	Date of Report : 23-05-2022
Material Specification	: EN-573-3 Grade AW-7075:2009	Date of Receipt : 20-05-2022
Identification of Sample	: ID.NO:AS	

46BH-22 C16 Brinell Hardness Test (P) Date of Performance : 23-05-2022
 Test Method : IS-1500 (PART-1):2019(ISO 6506-1:2005)
 Equipment Sr. No.: 2019/262 Cal. Dt: 07-Oct-2021 Due Dt.: 07-Oct-2022

HBW	Obtained Value
Average HBW	107,104,107 HBW 62.5kg/2.5mm ball dia
	106.0

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TEST REPORT WO:22-05-1453 Sr. No. 4CM / 12 -X-Cr-

Customer's Name	: DEVANG V MAHANT	ULR - TC772622000035393P
	MAT & MATERIAL ENGG DEPT.	Test Report No. : 48BH-22/ 2022
Particulars of Sample	: ALUMINIUM PIECE	Date of Report : 23-05-2022
Material Specification	: EN-573-3 Grade AW-7075:2009	Date of Receipt : 20-05-2022
Identification of Sample	: ID.NO:Z	

48BH-22 C16 Brinell Hardness Test (P) Date of Performance : 23-05-2022
 Test Method : IS-1500 (PART-1):2019(ISO 6506-1:2005)
 Equipment Sr. No.: 2019/262 Cal. Dt: 07-Oct-2021 Due Dt.: 07-Oct-2022

HBW	Obtained Value
Average HBW	102,104,107 HBW 62.5kg/2.5mm ball dia
	104.3