

Available Quality Control Materials (Chemical Compositions-OES)

Matrix Grade of the material		Chemical Composition																
Aluminium Alloy		Si	Fe	Cu	Mn	Mg	Ti	Zn	Cr	Pb	V	Ni						
	24345	1.05	0.258	4.123	1.096	0.360	0.027	0.023	0.017	-	-	-						
	63400	0.435	0.200	0.016	0.031	0.471	0.015	0.024	-	-	-	-						
	ADC-12	10.42	0.74	1.89	0.17	0.181	0.039	0.82	-	-	-	-						
	64430	0.580	0.213	0.011	0.017	0.512	0.050	0.026	0.0045	0.0020	0.010	-						
	7075	0.231	0.150	1.510	0.117	2.160	0.052	5.4700	0.2190	-	0.0082	-						
	2014	0.919	0.235	4.780	0.838	0.566	0.077	0.0720	0.0156	0.0050	0.0123	0.0117						

Note: ₹3500/- Per Unit + ₹350 Packaging and forwarding charges + 18% GST extra or USD 125/- + Packaging and forwarding charges (As actual)

Carbon, Low Alloy Steel		C	Si	Mn	S	P	Ni	Mo	Al	Cu	V	Cr	Co	Ti	Sn		
	EN-24	0.40	0.258	0.564	0.014	0.017	1.33	0.265	0.019	0.069	0.034	1.06	-	-	-		
	EN-36C	0.131	0.216	0.419	0.010	0.010	3.08	0.148	-	-	0.012	0.72	-	-	-		
	EN-353	0.190	0.258	0.710	0.024	0.019	1.05	0.127	0.052	0.022	-	0.950	-	-	-		
	EN-31	1.12	0.215	0.442	0.038	0.022	0.162	0.097	0.021	0.109	0.015	1.42	-	-	-		
	EN-39B	0.159	0.230	0.384	0.016	0.015	3.995	0.209	0.036	0.099	0.013	1.178	-	-	-		
	EN-1A	0.083	0.047	1.180	0.314	0.047	-	-	-	-	-	-	-	-	-		
	8620	0.202	0.299	0.773	0.016	0.017	0.454	0.174	-	0.082	0.0061	0.455	0.0100	0.0051	0.0060		
	EN-31 (2)	1.04	0.265	0.536	0.030	0.025	0.076	0.029	0.018	0.037	0.018	1.320	-	-	-		
	4320	0.2230	0.2900	0.7300	0.0048	0.011	1.6100	0.2280	0.0173	0.1490	-	0.5990	-	-	-		
	15CRNI6	0.178	0.261	0.514	0.0158	0.0153	1.50	0.0087	0.024	0.0191	0.0052	1.56	-	-	-		
	31CrMoV9	0.329	0.281	0.673	0.028	0.0094	0.132	0.212	0.029	0.012	0.125	2.66	-	-	-		
	2062	0.207	0.193	0.66	0.0174	0.0243	-	-	-	-	-	-	-	-	-		
	EN25	0.283	0.290	0.660	0.015	0.015	2.52	0.499	0.046	0.070	-	0.592	-	-	-		
EN19	0.368	0.222	0.618	0.0169	0.0194	0.154	0.220	0.007	0.030	0.054	1.11	-	-	-			

Note: ₹3000/- Per Unit + ₹350 Packaging and forwarding charges + 18% GST extra or USD 125/- + Packaging and forwarding charges (As actual)

Matrix Grade of the material		Chemical Composition																
Tool Steel		C	Si	Mn	S	P	Ni	Mo	Cr	V	Co	W	Cu	Nb				
	M2	0.91	0.229	0.252	0.006	0.022	0.174	4.94	3.99	1.88	0.02	6.40	-					
	M42	1.15	0.366	0.309	0.01	0.021	0.188	-	4.03	1.110	8.490	1.680	-					
	S-7	0.504	0.588	0.648	0.0053	0.0147	0.205	1.37	3.13	0.262	-	-	0.086					
	H-13	0.36	0.93	0.366	0.0033	0.015	0.095	1.23	5.17	0.96	-	-	0.059					
	D-2	1.55	0.371	0.261	-	0.0204	0.169	0.793	11.51	0.850	0.016	-	-	0.012				

Note: ₹5000/- Per Unit + ₹350 Packaging and forwarding charges + 18% GST extra or USD 150/- + Packaging and forwarding charges (As actual)

Stainless Steel		C	Si	Mn	S	P	Ni	Mo	Cu	Cr	V	Ti	Co	Al	Sn	Nb	W	N	
	AISI-202OFF	0.145	0.64	5.09	0.014	0.04	2.77	0.149	0.89	14.23	-	-	-	-	-	-	-	-	-
	AISI-304	0.079	0.501	1.24	0.01	0.033	8.4	0.194	0.333	18.10	0.070	-	-	-	-	-	-	-	-
	AISI-316	0.076	0.375	1.470	0.023	0.036	10.07	2.02	0.422	16.65	-	-	-	-	-	-	-	-	-
	AISI-321	0.020	0.365	1.880	0.014	0.034	9.09	0.29	0.577	17.26	0.080	0.280	0.160	0.020	0.010	-	-	-	-
	AISI-310	0.052	0.327	1.54	-	0.035	19.02	0.23	0.293	24.390	0.058	0.009	0.148	0.010	-	0.027	0.049	0.047	-
	AISI-316 Ti	0.015	0.415	1.62	-	0.033	10.73	2.09	0.320	16.900	0.066	0.254	0.204	0.025	-	-	-	-	0.017
	AISI-202	0.041	0.474	0.58	-	0.018	4.67	0.09	3.025	15.510	0.063	0.005	0.039	-	-	0.282	-	-	-

Note: ₹3500/- Per Unit + ₹350 Packaging and forwarding charges + 18% GST extra or USD 125/- + Packaging and forwarding charges (As actual)

Cast Iron	CI (2)	C	Si	Mn	S	P	Cr	Ni	Mo	Cu	Ti	Sn						
		3.42	2.3700	0.6340	0.0660	-	0.1630	0.0290	-	0.1330	-	0.0110						

Note: ₹5000/- Per Unit + ₹350 Packaging and forwarding charges + 18% GST extra or USD 175/- + Packaging and forwarding charges (As actual)

Brass	IS 319 (Gr. 1)	Cu	Fe	Pb	Mn	Ni	Al	Zn	P	As									
		55.69	0.36	2.54	0.12	0.30	0.14	Rem.	-	-									
		IS 320	58.37	0.63	1.28	1.05	0.106	0.0062	Rem.	0.007	0.009								

Note: ₹4000/- Per Unit + ₹350 Packaging and forwarding charges + 18% GST extra or USD 150/- + Packaging and forwarding charges (As actual)

Bronze	C63000	Cu	Fe	Pb	Mn	Ni	Al	Zn	P	As	Sn	Si						
		80.61	3.8500	0.02	0.85	4.6000	9.57	0.20	0.0147	0.01	0.0121	0.10						

Note: ₹4000/- Per Unit + ₹350 Packaging and forwarding charges + 18% GST extra or USD 150/- + Packaging and forwarding charges (As actual)

Copper Alloy	Be-Copper	Cu	Fe	Cr	Ni	Sb	Be	Zr										
		97.10	0.019	0.0035	1.29	0.0041	0.488	0.011										

Note: ₹5000/- Per Unit + ₹350 Packaging and forwarding charges + 18% GST extra or USD 175/- + Packaging and forwarding charges (As actual)

Matrix Grade of the material		Chemical Composition													
Nickel Alloy	M400	Cu	Fe	Mn	Al	Si	C								
		31.47	1.2900	0.8800	0.2460	0.1730	0.1620								

Note: ₹5000/- Per Unit + ₹350 Packaging and forwarding charges + 18% GST extra or USD 150/- + Packaging and forwarding charges (As actual)

Zinc Alloy	Zamak-5	Al	Cu	Pb	Mg	Fe	Ni	Sn							
		3.67	0.812	0.0035	0.0298	0.0115	-	-							
	Zamak-5 (2)	4.00	1.04	0.027	0.03	-	0.0093	0.019							

Note: ₹4000/- Per Unit + ₹350 Packaging and forwarding charges + 18% GST extra or USD 150/- + Packaging and forwarding charges (As actual)

Available Quality Control Materials (Chemical Quality Control Materials- Others)

S. No.	Matrix of the material	QCM Size	Chemical Composition				
			LOI	SiO ₂	Al ₂ O ₃	CaO	Fe ₂ O ₃
1.	Quartz	3 Ampules (15g each)	0.33	99.09	0.079	0.287	0.066

Note: ₹3000/- Per Unit + ₹350 Packaging and forwarding charges + 18% GST extra or USD 150/- + Packaging and forwarding charges (As actual)

S. No.	Matrix of the material	QCM Size	Chemical Composition					
			LOI	SiO ₂	Al ₂ O ₃	Fe ₂ O ₃	TiO ₂	P ₂ O ₅
1.	Bauxite	3 Ampules (15g each)	23.9	2.6	52.9	10.5	9.6	0.14

Note: ₹3000/- Per Unit + ₹350 Packaging and forwarding charges + 18% GST extra or USD 150/- + Packaging and forwarding charges (As actual)

S. No.	Matrix of the material	QCM Size	Chemical Composition	
			Ash Content	GCV
1.	Coal	3 Ampules (15g each)	9.56	7440

Note: ₹2500/- Per Unit + ₹350 Packaging and forwarding charges + 18% GST extra or USD 150/- + Packaging and forwarding charges (As actual)

S. No.	Matrix of the material	QCM Size	Matrix of the material	QCM Size
1.	Test Panel for Verification of Corrosivity of Corrosion Chamber as per ASTM B117 (NSS)	127(L) X 76(W) X 0.8(T) mm (4 Pcs)	Test Panel for Verification of Corrosivity of Corrosion Chamber as per ISO 9227 (NSS)	100(L) X 50(W)X1(T) mm (4 Pcs)

Note: ₹5000/- Per Unit for each Item + ₹350 Packaging and forwarding charges + 18% GST extra or USD 175/- + Packaging and forwarding charges (As actual)

Available Quality Control Materials (Mechanical Testing)

Tensile Properties of Ferrous & Non-Ferrous

S. No.	Matrix of the material	QCM Size	Value
1.	Ultimate Tensile Strength (CRC)	250(L)x12.5(W)x1.5(T)mm	365 N/mm ²
2.	Ultimate Tensile Strength (Aluminium Sheet)	250(L)x12.5(W)x3(T)mm	110 N/mm ²
3.	Ultimate Tensile Strength (Aluminium Round)	10 (D) x210 (L)mm	345 N/mm ²
4.	Ultimate Tensile Strength (Flat Steel)	200(L)x12.5(W)x10(T)mm	430 N/mm ²

Note: ₹5000/- Per Unit for each Item + ₹350 Packaging and forwarding charges + 18% GST extra or USD 200/- + Packaging and forwarding charges (As actual)

Impact Properties of Ferrous Materials

S. No.	Matrix of the material	QCM Size	Value
1.	Charpy Impact (CVN) at 0°C	4 Pcs X 55(L)x10(W)x10(T)mm	35 J
2.	Charpy Impact (CVN) at 0°C	4 Pcs X 55(L)x10(W)x10(T)mm	70 J
3.	Izod Impact at Room Temperature	4 Pcs X 75(L)x10(W)x10(T)mm	50 J

Note: ₹8000/- Per Unit for each Item + ₹350 Packaging and forwarding charges + 18% GST extra or USD 250/- + Packaging and forwarding charges (As actual)

Hardness Blocks

S. No.	Matrix of the material	QCM Size	Value
1.	Brinell Hardness (5/750)	78 (D)X13 (T) mm	365
		78 (D)X13 (T) mm	110
		78 (D)X13 (T) mm	345

Note: ₹3000/- Per Unit for each Item + ₹350 Packaging and forwarding charges + 18% GST extra or USD 125/- + Packaging and forwarding charges (As actual)

S. No.	Matrix of the material	QCM Size	Value
1.	Rockwell Hardness Number (HRA)	63 (D)X10 (T) mm	82
		63 (D)X10 (T) mm	65
		63 (D)X10 (T) mm	38

Note: ₹3000/- Per Unit for each Item + ₹350 Packaging and forwarding charges + 18% GST extra or USD 125/- + Packaging and forwarding charges (As actual)

S. No.	Matrix of the material	QCM Size	Value
1.	Micro Vickers Hardness Block (HV0.5)	63 (D) X 10 (T) mm	205
		68 (D) X 10 (T) mm	430
		61 (D) X 10 (T) mm	730

Note: ₹3500/- Per Unit for each Item + ₹350 Packaging and forwarding charges + 18% GST extra or USD 150/- + Packaging and forwarding charges (As actual)

S. No.	Matrix of the material	QCM Size	Value
1.	Micro Vickers Hardness Block (HV0.3)	63 (D) X 10 (T) mm	215
		68 (D) X 10 (T) mm	420
		61 (D) X 10 (T) mm	740

Note: ₹3500/- Per Unit for each Item + ₹350 Packaging and forwarding charges + 18% GST extra or USD 150/- + Packaging and forwarding charges (As actual)

S. No.	Matrix of the material	QCM Size	Value
1.	Micro Vickers Hardness Block (HV0.2)	63 (D) X 10 (T) mm	210
		68 (D) X 10 (T) mm	430
		61 (D) X 10 (T) mm	730

Note: ₹3500/- Per Unit for each Item + ₹350 Packaging and forwarding charges + 18% GST extra or USD 150/- + Packaging and forwarding charges (As actual)

S. No.	Matrix of the material	QCM Size	Value
1.	Micro Vickers Hardness Block (HV0.1)	63 (D) X 10 (T) mm	215
		68 (D) X 10 (T) mm	420
		61 (D) X 10 (T) mm	720

Note: ₹3500/- Per Unit for each Item + ₹350 Packaging and forwarding charges + 18% GST extra or USD 150/- + Packaging and forwarding charges (As actual)