



STANDARD PRODUCTS OF NALCO

DOC/QC/SPEC/01/ALLOY INGOT

ISSUE No 004.Rev 00

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ALLOY INGOT

SL.NO	PRODUCT	PRODUCT DESCRIPTION	APPROX.WT	SPECIFICATIONS							PRODUCT CODE
				%Si	%Fe	%Mg	%Cu	%Zn	%Mn	%Ni	
01	Alloy Ingot	Aluminium Alloy Ingot (LM-2)	10kg	9.0 to 11.5	1.0 max.	0.30 max.	0.70 to 2.5	2.00 max	0.50 max	0.50 max	IA 10
02	Alloy Ingot	Aluminium Alloy Ingot (LM-4)	10kg	4.0 to 6.0	0.80 max.	0.15 max.	2.0 to 4.0	0.50 max	0.30 to 0.70	0.30 max	IA 20
03	Alloy Ingot	Aluminium Alloy Ingot (LM-6)	10kg	10.0 to 13.0	0.60 max.	0.10 max.	0.10 max.	0.10 max	0.50 max	0.10 max	IA 30
04	Alloy Ingot	Aluminium Alloy Ingot (LM-24)	10kg	8.0 to 9.5	1.0 max.	0.30 max.	3.0 to 4.0	1.00 max	0.50 max	0.50 max	IA 40
05	Alloy Ingot	Aluminium Alloy Ingot (ALSI-132)	10kg	11.0 to 12.5	0.50 to 0.70	0.05 max.	1.90 to 2.5	0.10 max	0.10 max	0.15 max	IA 50
06	Alloy Ingot	Aluminium Alloy Ingot (AL-59)	20kg	0.35 to 0.45	0.06 to 0.18	0.33 to 0.43	0.005 max	0.05 max	0.01 max	0.03 max	IA 60 *
07	Alloy Ingot	Aluminium Alloy Ingot (ADC-12)	10kg	10.5 to 12.0	1.3 max	0.30 max.	1.50 to 3.50	1.00 max	0.50 max	0.50 max	IA 70
08	Alloy Ingot	Aluminium Alloy Ingot (LM-13)	10kg	11.0 to 13.0	0.80 max	0.80 to 1.50	0.50 to 1.30	0.10 max	0.50 max	0.70 to 2.50	IA 80
09	Alloy Ingot	Aluminium Alloy Ingot (A356.2)	20kg	6.50 to 7.50	0.12 max	0.40 to 0.60	0.10 max	0.05 max	0.10 max	0.05 max	IA 90
10	Alloy Ingot	Aluminium Alloy Ingot (LM-09)	20kg	10.0 to 13.0	0.6 max	0.2 to 0.6	0.10 max	0.1 max	0.3 to 0.7	0.1 max	IA 91

* For IA 60 , (Ti + V) - 0.02 Max. Other Elements each- 0.03 Max, Other Elements total- 0.10 Max, Aluminium (Al) by difference - 98.50 Min.



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LIST OF ABBREVIATIONS

ABBREVIATION	EXPANDED FORM	ABBREVIATION	EXPANDED FORM
Al	Aluminium	Imp	Impurities
Approx	Approximate	Max	Maximum
Cr	Chromium	Min	Minimum
Cu	Copper	Mg	Magnesium
Fe	Iron	Mn	Manganese
Sl.No	Serial Number	Ni	Nickel
Ti	Titanium	OI	Other Impurities
Si	Silicon	Zn	Zinc
		V	Vanadium