

Typical Analysis

CADMIUM

			Composition (%)								
CADMIUM INGOT			Impurities (max)								
CODE #	GRADES	Codes	Cd (min)	Pb	Zn	Cu	Fe	As	Sb	Sn	Total
HM3001	Refined Cd-02	Cd-02	99.998	0.001	0.0003	0.0001	0.0006	0.001	0.0002	0.0002	0.0020
HM3002	Refined Cd-01	Cd-01	99.995	0.002	0.001	0.0005	0.001	0.002	0.0002	0.0002	0.0050
HM3003	Cd-1	Cd-1	99.99	0.004	0.002	0.001	0.002	0.002	0.002	0.002	0.010
HM3004	Cd-2	Cd-2	99.95	0.02	0.01	0.01	0.003	0.002	0.002	0.002	0.050
HM3005	Cd-3	Cd-3	99.9	0.05	0.02	0.02	0.005	0.002	0.002	0.002	0.100

PACKING: In wooden case of 45-55 kgs net each.

NOTE: Any particular requirements to the products can be met.

BISMUTH

REFINED BISMUTH INGOT

CODE #	Bi (%min)	Impurities (% max.)									
		Cu	Pb	Fe	Zn	Ag	Sb	As	Cl	Sn	Te
HM3101	99.99	0.0003	0.0007	0.0005	0.0001	0.0025	0.0003	0.0005	0	0.0002	0

PACKING: IN WOODEN CASES OF ABOUT 1000KGS NET EACH

CHROMIUM

CHROMIUM METAL

CODE#	Cr (%min.)	Impurities (% max.)							
		Pb	C	Si	S	P	Al	Fe	Cu
HM3601	99	0.0005	0.03	0.3	0.02	0.01	0.3	0.4	0.04
HM3602	98.5	0.003	0.03	0.4	0.02	0.01	0.5	0.5	0.06

PACKING: In iron drums of 100 kgs net each.

COBALT

COBALT OXIDE POWDER

CODE #	1. Typical chemical analysis: Co >_ 71%, Ni <_ 0.3%, Fe <_ 0.05%, Mn <_ 0.03%, Cu <_ 0.03%, Zn <_ 0.01%
HM3201	2. Particle Size: <_ 60 mesh
	3. Apparent Specific gravity: 0.4 - 0.5 g/cm3
	4. Packig: Iron drums of 30 kgs net each.

MANGANESE CATHODE (Sichuan)

CODE #	Mn (%min)	Impurities (%max.)				
		C	P	S	Si	Fe
HM3301	99.7	0.04	0.005	0.05	0.011	0.017

PACKING: In iron drums of 50 kgs net each.

MANGANESE CATHODE (Hunan)

CODE #	Mn (%min)	Impurities (% max.)		
		P	S	C
HM3401	99.7	0.005	0.04	0.004

PACKING: In iron drum with inner plastic bag, 50 kgs net each.

MANGANESE CARBONATE

CODE #	MnCO3 (%min.)	Mn (%min)	Impurities (% max.)				
			Fe	Cl	SO4	Pb	Zn
HM3501	90	43	0.05	0.02	0.5	0.02	0.02

INSOLUBLES IN HNO3 : 0.2% max.

PACKING: In plastic woven bag, 50 kgs net each.

TIN**TIN INGOT**

CODE #	GRADES	Sn (Min)	Composition (%)						
			As	Fe	Cu	Pb	Bi	Sb	S
			(Max)						
HM0101	Grade O	99.99%	0.0005	0.0030	0.0005	0.0035	0.0020	0.0005	0.0010
HM0102	Grade 1	99.95%	0.0030	0.0040	0.0040	0.0300	0.0030	0.0050	0.0010
HM0103	1st Grade	99.900%	0.0150	0.0070	0.0100	0.0500	0.0150	0.0150	0.0010
HM0104	2nd Grade	99.750%	0.0200	0.0100	0.0300	0.0800	0.0500	0.0500	0.0100
HM0105	3rd Grade	99.560%	0.0200	0.0200	0.0300	0.3000	0.0500	0.0500	0.0100
HM0106	4th Grade	99.000%	0.1000	0.0500	0.1000	0.6600	0.0600	0.1500	0.0200

PACKING: In bundles of about 1000 kgs net each.

TIN SOLDER

CODE #	GRADES	Sn (Min)	Compositions (%)							
			Sb	Cu	Bi	As	Fe	S	Zn	Al
			(Max)							
HM0201	39 Tin Solder	59-61	0.8	0.08	0.1	0.05	0.02	0.02	0.002	0.005
HM0202	45 Tin Solder	53-57		0.2	0.2	0.1	0.1			

PACKING: In bundles of about 1000 kgs net each for tin solder ingot.

In plastic or wooden boxes of about 25 kgs net each for tin solder bar.

HIGHT PURITY TIN (YUNNAN)

CODE #	Sn	Compositions (%)										
		Pb	As	Sb	Cu	Bi	Fe	Zn	Cd	Al	Co	Ni
HM0301	99.999	3*10-4	4*10-5	4*10-5	2*10-5	2*10-5	4*10-5	4*10-5	2*10-5	3*10-5	2*10-5	2*10-5

PACKING: In wooden case, 20 kgs net each.

*** ALL INFORMATION IS FOR REFERENCE ONLY, NOT TO BE USED AS INCOMING PRODUCTS SPECIFICATIONS ***

NON-FERROUS METALS