

Cobalt Brands Analysis

	VALE	TOC998	SMM998	GC9995	KLK9995	CASH	CASH (revised spec)	CMBA	CMBA (revised spec)	CMA	CMP	FC COARSE COBALT POWDER	HUAYOU	HUAYOU (revised spec)	AMBATOVY COBALT BRIQUETTES	MINARA COBALT BRIQUETTES	NORNICKEL	UMICORE COBALT POWDER S1	TENGYUAN	GREATPOWER	GEM-CO	HANRUI	CNGR
Date Listed	18/04/2012	17/11/2009	23/11/2009	30/11/2009	29/01/2010	04/05/2010	04/05/2010	26/04/2011	22/08/2018	29/08/2013	29/08/2013	22/12/2016	16/07/2019	05/03/2020	12/11/2019	17/03/2020	22/10/2020	13/10/2021	20/06/2023	17/12/2024	20/12/2024	19/05/2025	07/12/2026
Notice	12/105	09/418	09/427	09/434	10/038	10/166	17/241	11/103	18/217	13/273	13/274	16/398	19/225	20/058	19/363	20/063	20/227	21/193	23/108	24/303	24/306	25/092	26/129
Elements																							
Al	0.0002	0.0010		0.002	0.003	0.0010	0.0020			0.001	0.001			0.002		0.005			0.002	0.002	0.002	0.0020	0.0020
As	0.0002			0.0005	0.0005	0.0003	0.0007							0.0007					0.0007	0.0007	0.0007	0.0007	0.0007
Bi				0.0003	0.0005	0.0003	0							0.0003		0.005			0.0003	0.0003	0.0003	0.0003	0.0003
C	0.0050	0.0060	0.01	0.005	0.007	0.0050	0.0050	0.0075	0.010	0.02	0.01	0.1	0.0047	0.005	0.02	0.015	0.01	0.1	0.005	0.05	0.005	0.0050	0.0050
Ca		0.0010						0.0050	0.0050							0.005							
Cd	0.0001	0.0020	0.0005	0.0003	0.0005	0.0003	0.0050	0.0010	0.0010	0.005	0.0015	0.001	0.0005	0.0005	0.005	0.005	0.0003	0.001	0.0005	0.0005	0.0005	0.0005	0.0005
Co	99.8	99.80	99.8	99.95	99.95	99.95	99.95	99.80		99.8	99.9	99.80	99.99	99.95	99.80	99.8	99.90	99.8	99.95	99.95	99.95	99.95	99.95
Cr		0.0010						0.0020	0.0020							0.005							
Cu	0.0002	0.0030	0.01	0.003	0.006	0.0040	0.0050	0.0050	0.0050	0.005	0.004	0.0015	0.0007	0.005	0.01	0.008	0.005	0.0015	0.005	0.005	0.005	0.0050	0.0050
Fe	0.0008	0.0100	0.01	0.006	0.006	0.0050	0.0060	0.010	0.010	0.01	0.005	0.001	0.0017	0.006	0.02	0.025	0.005	0.01	0.006	0.006	0.006	0.0060	0.0060
Mg		0.0010		0.002	0.002	0.0010	0.0020	0.002	0.0020	0.003	0.001			0.002		0.005			0.002	0.002	0.002	0.0020	0.0020
Mn	0.0008	0.0030	0.001	0.005	0.005	0.0010	0.0050	0.0050	0.0100	0.01	0.002	0.005	0.0002	0.005	0.005	0.005	0.0001	0.005	0.005	0.005	0.005	0.0050	0.0050
Ni	0.17	0.0800	0.15	0.002	0.008	0.0050	0.0100	0.030	0.030	0.05	0.04	0.005	0.0008	0.01	0.05	0.1	0.05	0.005	0.005	0.01	0.01	0.0100	0.0100
P	0.0005			0.001	0.002	0.001	0.001							0.001		0.005			0.001	0.005	0.001	0.0010	0.0010
Pb	0.0008	0.0020	0.001	0.0004	0.0005	0.0010	0.0005	0.0050	0.0100	0.006	0.004	0.001	0.0002	0.0005	0.005	0.005	0.0003	0.001	0.0005	0.0005	0.0005	0.0005	0.0005
S	0.0010	0.0050	0.001	0.001	0.002	0.0010	0.0010	0.007	0.010	0.005	0.005	0.04	0.0002	0.001	0.005	0.010	0.001	0.04	0.001	0.001	0.001	0.0010	0.0010
Sb	0.0004			0.0003	0.0005	0.0003	0.0006							0.0006					0.0006	0.0006	0.0006	0.0006	0.0006
Se	0.0001																						
Si		0.0010	0.001	0.003	0.003	0.0010	0.0030			0.001	0.001			0.003		0.005			0.003	0.003	0.003	0.0030	0.0030
Sn				0.0003	0.0005	0.0003	0.0005							0.0005					0.0005	0.0005	0.0005	0.0005	0.0005
Zn	0.0016	0.0025	0.005	0.002	0.003	0.001	0.002	0.0050	0.0050	0.007	0.005	0.001	0.0002	0.002	0.005	0.005	0.0004	0.001	0.002	0.002	0.002	0.0020	0.0020
Tons **	1500	1800	2000	4500	1200	1000	1000	2000	2000	6500	6500	5200	2000	2000	5400	3000	2000	15,000	2000	2000	10000	15,000	15,000
Shape *	R	BC	CC	CC	CC	CC	CC	BC	BC	BC	BC	CGP	CC	CC	BR	BR	CC	CGP	CC	CC	CC	CC	CC