

HEAVY METAL CONTENT OF ABRASIVES

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Tests conducted between 1994 and 1997 gave the following heavy metals contents (expressed as total mg/kg or ppm) for common slag abrasives.

Product	TARGET VitroGrit #16	TARGET Tuf-Kut 16-36	Kleen Blast 16-30	Tru-Grit 16-30	TARGET Black Pearl 10-40	TARGET Black Magic 16-40	TARGET Green Diamond 20-50	CCME 1996 Maximum Limit Commercial / Industrial
Type	Glass	Copper	Copper	Copper	Coal	Coal	Nickel	
Aluminum					41600	12500		
Antimony					<20	<20		40
Arsenic	<0.10	16.1	13.7	6.6	1.23	<0.5	0.05	50
Barium	<0.05	380	297	264	756	1450	10	2000
Beryllium					4.0	0.8		8
Bismuth					<10	14		
Cadmium	<0.05	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	20
Calcium					64200	43000		
Chromium	<0.05	3	36.4	74.7	41.8	4.2	1770	800
Cr, +6					<0.05			
Cobalt		13	29.2	228	11.7	2.4	21.6	300
Copper		2720	1330	2640	18.4	12.1	9.8	500
Iron					23500	9240		
Lead	<0.10	311	<10	30	<10	<10	<10	1000
Mercury	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	10
Molybdenum		<4.0	<4.0	13.8	<4.0	<4.0	7.6	40
Nickel		<2.0	19.5	<2.0	52.8	4.0	575	500
Selenium	<0.20	<0.10	0.26	3.04	<0.10	<0.1	<0.10	10
Silver	<0.05	3	<2.0	<2.0	<2.0	<2.0	<2.0	40
Tin		<30	<30	<30	<30	<30	<30	300
Zinc		5720	63.1	10100	29.7	<1	25.8	1500

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