



Magnetic Tracers

OPTIMISING MAGNETIC SEPARATORS IN MINERALS PROCESSING OPERATIONS

The immediate focus of DG Lab Services is the manufacture and supply of tracers or simulants to the global mining and related sectors

DG Lab Services Magnetic Tracers

DG Lab Services Magnetic Tracers are a standard and inexpensive aid used for rapid and efficient set up of magnetic separators

The range of magnetic tracers offered by DG Lab Services are customizable for any commodity in terms of density and magnetic susceptibility

DG Lab Services Magnetic Tracers are supplied in the form of cubes

- Typical Size range is from 2.0mm to 20.0mm (within ± 0.1 mm)
- Relative Density requirement is customizable and currently available in 3.53 ± 0.03 RD
- Magnetic susceptibilities are customizable and currently available in the range $20 - 4000 \times 10^{-6} \text{cm}^3 \cdot \text{g}^{-1}$ (within $\pm 5\%$)

Inexpensive Industry Aid

- **DG Lab Services Magnetic Tracers are:**
 - Colour coded, according to magnetic susceptibility
 - Re-usable, as their robust formulation ensures many passes through a plant
- Strict quality control ensures the tracer particles are an exact size, shape and magnetic susceptibility



Magnetic Tracer Range

Tabulation indicating Colour vs Magnetic Susceptibility ($\times 10^{-6} \text{cm}^3 \cdot \text{g}^{-1}$)

20	
40	
60	
80	
100	
150	
200	
250	
300	
400	
500	
600	
700	
1000	
2000	
4000	

These colours are a printed approximation of the actual magnetic tracer colours.

t +27 (0) 11 397 2899 **e** info@dglabservices.com **w** www.dglabservices.com

DG Lab Services (Pty) Ltd Airborne Park, Unit 24, Taljaard Road, Bartlett, Boksburg, 1459