



Chemical Products and
Metallurgical Laboratory Services

molycop.com

Dust Control

Dust suppressant

- Unique dust control solution
- 100% organic, biodegradable and non-toxic
- Use in tailing DUMPS and coal stockpiles.

Copper Mining

SX-EW

- Grain tuner in EW
- Cobalt Sulfate.

Gold Mining

- Activated carbon
- Caustic soda flakes, pearls and micropearls
- Scale inhibitors and dispersants
- Flocculants and coagulants
- Chemicals for the removal of heavy metals.



Flotation Collectors

MC-C Flotation Collectors

Complete line of generic and selective collecting reagents specially formulated to recover copper, molybdenum, gold and other metals.

- Xanthates
 - Sodium Isopropyl Xanthate (CIPXS)
 - Sodium Isobutyl Xanthate (CIBXS)
 - Potassium Amyl Xanthate (PAX)
- Isopropyl Ethyl Thionocarbamate
- Sodium Diethyl Dithiocarbamate
- Mercaptans base compounds
- Dithiophosphates for Polymetallics
- Hydroxy Chemical Acid Compounds
- Molybdenum Collectors.

Flotation Depressants

- MC-D Brand formulated depressants to depress pyrite and other sulfides
- Carboxymethylcellulose additive.

Flotation Frothers

MC-Froth Frothers

Alcohol-based and glycol-based frothing reagents and blends specially formulated for optimum mineral flotation in a wide range of particle sizes.

- Methyl Isobutyl Carbinol (MIBC)
- Butylglycols
- Long chain ethoxylated alcohols
- Short chain alcohols
- Polyglycols
- Proprietary formulations
- Replacement of MIBC.



Dispersants

Rheology modifiers and dispersants

- Grinding auxiliaries
 - Dispersing polymers
 - Polyethylene glycol
 - Propylene glycol.

Defoamers

Defoamers and Surfactants

- Defoamers and Surfactants
 - Defoamer P-4000
 - Defoamer P-4000K
 - Polyglycols
 - Anionic and non-ionic surfactants.

Flocculants

- Flocculants
 - Anionic
 - Cationic
 - Non-ionic
 - Granulated powder and emulsion.

Coagulants

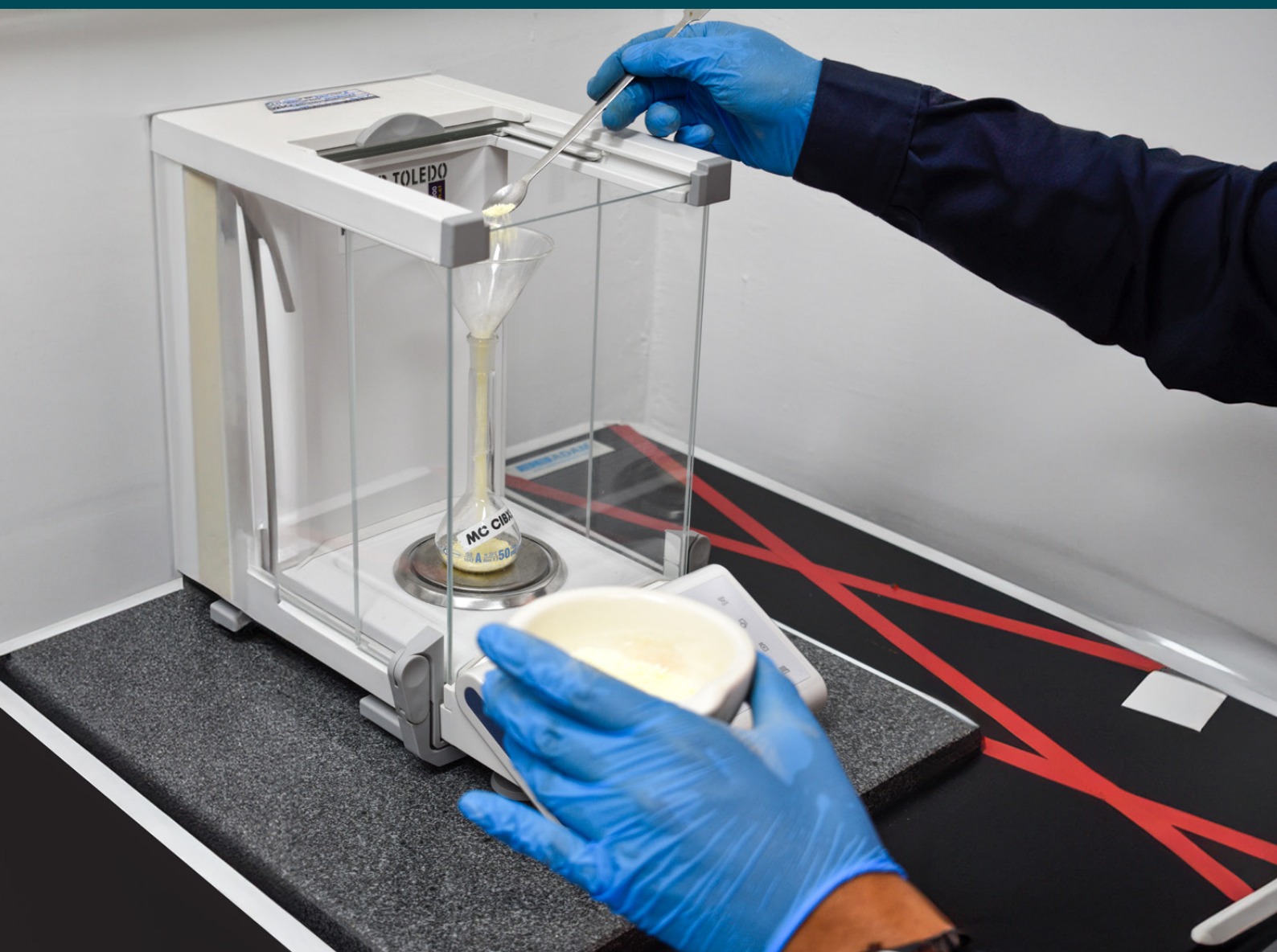
- Inorganic coagulants
 - Aluminium salts
 - Iron salts.

Scale Inhibitors

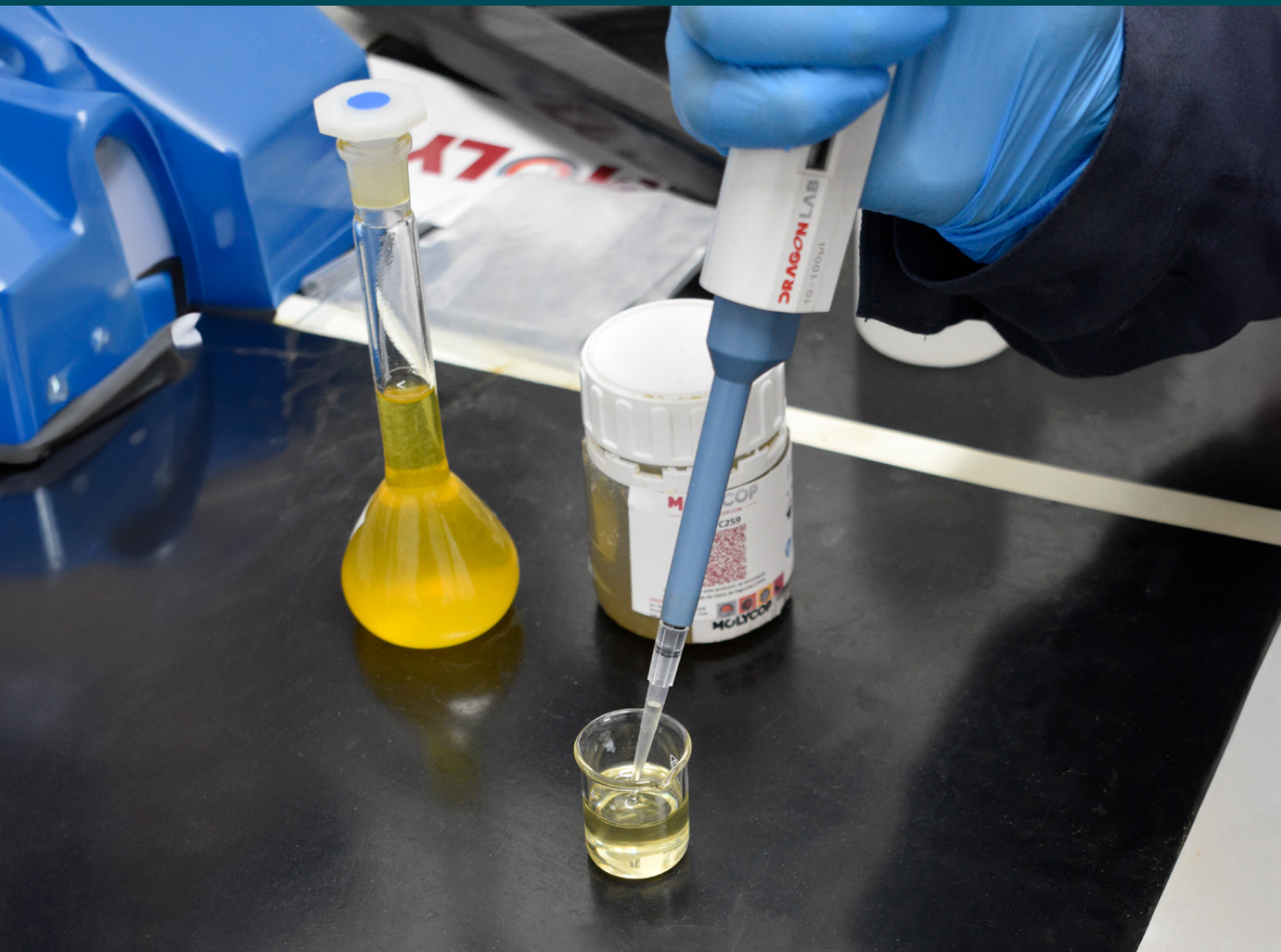
- Phosphonates
- Phosphonate salts
- Polycarboxylic acid polymer
- Carboxylate-sulfonate co-polymer
- Ter-polymer carboxylate
 - Sulfonate
 - Non-ionic.



- Nitric Acid
- Borax
- Activated Carbon
- Soda Ash / Sodium Carbonate
- Calcium Chloride
- Ferric Chloride
- Ethylene Glycol
- Calcium Hypochlorite
- Sodium Hypochlorite
- Sodium Metabisulfite
- Sodium Nitrate
- Hydrogen Peroxide
- Propylene Glycol
- Sodium Silicate
- Caustic Soda Flakes and Pearls
- Copper Sulfate Pentahydrate
- Ferric Sulfate
- Zinc Powder.



- Physical and chemical characterisation of minerals
- Mineralogical characterisation
- Flotation kinetic tests
- Closed and open cycle flotation tests
- Reagent selection and optimisation tests
- Froth characterisation tests
- Sedimentation tests
- Rheological tests
- Flocculant and/or coagulant selection and optimisation tests
- Tests of defoamers
- Recharge Size Optimisation Study (Grindability Test)
- Abrasion Tests (Ai)
- Determination of Bond Work Index, BWi (kWh/ton).



MOLYCOP

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Milling



Flotation



Leaching



Engineered



Process Optimisation



Resource Recovery



Training

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