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Product Identification

ITEM	STANDARD
Product Name	PYNZ500
PyrethrumNZ Product Code	078991
Trade Name	Refined Pyrethrum Concentrate
CAS Number	8003-34-7
Recommended Use	Raw material used in the production of insecticide
Composition	Natural Plant Extract

Analysis

ITEM	STANDARD
Assay	
Main Component	Pyrethrin I, II, Cinerin I, II, Jasmolin I,II
Assay (Pyrethrins) by HPLC +/- 2%	50%
Diluent : Isopar-M	48%
Stabilizer : Butylated Hydroxytoluene	2%
Physical & Chemical Control	
Appearance	Viscous liquid
Colour	Clear, light yellow to dark yellow.
Odour	Flowery Odour
Specific Gravity	0.90-0.95
Moisture	< 1.0%
Solubility	Easily soluble in ethanol, methanol and MSO Practically insoluble in water.
PH Value	n/a
Flash Point	60C - 93C
Stability	Unstable to air (oxidation) and to light (UV) Rapidly hydrolysed in alkaline medium.
Vapour Pressure	Very low

Additional Information
Storage

Store in sealed container away from UV light, heat and moisture. Protect from sources of ignition. Keep away from food and drink. Do not smoke while handling. When stored properly a shelf life in excess of two years can be expected.

Methods used

Component evaluations are conducted on a %w/w basis by HPLC with an expected efficacy of +/- 2%
Flash Point is evaluated by the Abel closed cup method. Moisture is evaluated by the Karl Fischer titration method.

Safety

Product is compliant under New Zealand EPA Hazardous Substance reference HSR003349
Risk Phrase 20/21/22 apply.

The statements made in this Data Sheet are, to the best of our knowledge, as accurate as possible, are given only for information and are without guarantee or responsibility on our part regarding the various laws or patents in connection with the use of the product. Further information is available on request.