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MARC 13-7-20 is a non-reactive multi-purpose concentration marker that can be added to most types of water treatment chemical formulations. It is a chemical-based marker that consists of short-chain polymers with inorganic functional groups. MARC 13-7-20 is added in small amount (0.5 -1.0%) into water treatment chemicals so that dosages of the treatment chemicals can be measured and monitored via the marker when used with a proprietary sensor probe that respond specifically and linearly to the marker polymer molecules.

How it works

MARC 13-7-20 is formulated so that it will become active via hydration upon contact with water. Its main active ingredient consists of polymer-based short chains with specific functional group. Proprietary method is employed to formulate the immobilization of the key functional group to the polymer backbone. The marker must be used with probe sensor that has custom-fabricated active surface to capture the polymers via attraction to the functional group. The subsequent attachment of the polymer on the sensor surface will cause changes in electrical potential across the probe terminals. Hence, the electrical potential signal will be directly proportional to the concentration of the marker as well as the customer's chemicals in the water.

CONCENTRATION MARKER MARC 13-7-20

Key Features

- Non-toxic and environmentally safe in recommended % usage
- Chemically & thermally stable
- Non-flammable
- Inert to most common chemicals used in water treatment*
- Negligible effect on physiochemical properties of water & chemicals

**It is recommended that pre-testing is conducted on new water treatment chemicals to ensure absolute non-reactivity*

Product Specifications

- Supplied as concentrated solution
- Commercial pack 200kg & 1,000kg
- Mixing ratio into product 0.5-5.0%
- Specific gravity : 1.05-1.20
- Viscosity (conc. form) : 0.95-1.00 cp
- Product stability : Up to 18 months

CAUTION!

Despite the non-toxic feature of MARC 13-7-20, this product **SHALL NOT AT ALL** be used in treatment chemicals of water meant for consumption by humans and animals nor for agriculture use. When in doubt, users are always reminded to refer to us for technical advice and support.