



IS 1065 (Part 2): 2019 - Stable Bleaching Powder – Specification

IS 1065 (Part 2): 2019 is a standard that specifies requirements for **stable bleaching powder** used for the **treatment of water** intended for drinking. This standard ensures that the **bleaching powder** meets specific quality and performance criteria to be safe and effective for water treatment. **Stable bleaching powder** is a chemical compound used in **water treatment processes** to **disinfect** and **purify water**, making it safe for human consumption. It is commonly used in **municipal water treatment facilities** and other **water purification systems**.

There are various quality parameters mentioned in the standard regarding stable bleaching powder. The powder **effectively disinfects** and purify water, removing harmful microorganisms and contaminants. The product is safe for use in water intended for drinking, **without introducing harmful residues** or by-products. The bleaching powder provides **consistent performance** in various water conditions. The product is stable and maintain its **effectiveness** over time, even under storage conditions. The powder is **compatible** with existing water treatment systems and processes.

IS 1065 (Part 2): 2019 addresses these expectations by setting specific requirements for the composition, performance, and safety of stable bleaching powder. The standard includes guidelines defining the **types of materials and chemicals** that can be used, ensuring they meet effectiveness and safety criteria. Outlining **testing procedures** for disinfection efficiency, safety, and stability to verify the quality of the bleaching powder. **Establishes benchmarks** for effectiveness, consistency, and compatibility with various water treatment systems. For instance, the available **chlorine**, percent by mass shall be minimum 34 for Type 1 and 32 for Type 2. The **stability**, loss of chlorine on the basis of initial available chlorine shall be maximum 1/15 for type 1 and 1/11 for type 2. Other important requirement for the characteristics like **Moisture, Particle size, Lead, Arsenic, Manganese, Chromium, Mercury, Cadmium** and **Selenium** are also specified in the standard.

By adhering to **IS 1065 (Part 2): 2019**, manufacturers can produce **bleaching powder** that meets the high standards expected by consumers, ensuring safe and reliable water treatment.