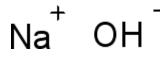


Product Information Sheet



S845 **Sodium Hydroxide**

Synonym: Caustic Soda; Soda Lye CAS: 1310-73-2 Formula: NaOH Molecular Wt: 40.00

Properties

Form: Powder Appearance: White Pellets Application: Solvent, pH Adjustment, Seed Testing Solubility: Water Typical Working Varies with application, should be determined by end user. Concentration: Storage Temp: Room Temperature Storage Temp of Room Temperature Stock Solution: Other Notes: Plant Tissue Culture Tested

Application Notes

Commonly used to adjust solution pH.

Can be used in seed testing for a variety of applications, including: A 5% solution can be used for extraction of barley seeds (ISTA, Method 7-013a). A 10-15% solution can be used to loosen barley embryos from the kernals (ISTA, Method 7-013b).

A 1% solution is used to stain filter papers that have tested barley seeds for infestation of Pyrenophora spp. The light red pigments produced by P. teres and P. graminea will stain a dark purple after exposure to 1% solution of NaOH. This application allows for better visualization and easier counting of contaminated seeds (ISTA Method 7-027).

See International Seed Testing Association (ISTA) reference below for complete seed testing methods.

References

International Seed Testing Association (2012) International Rules for Seed Testing: Annexe to Chapter 7 Seed Health Testing Methods. http://www.seedtest.org/en/content---1--1132.html Merck 13, 8701

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