



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 Concentration: Varies with application, should be determined by end user.
Storage Temp: Room Temperature
Storage Temp of Stock Solution: Room Temperature
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 kernels (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>
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