

SPEX

CARBON BLACK REAGENTS

INDUSTRIAL | ENVIRONMENTAL

Advance Industrial and Environmental Carbon Black Testing

Carbon black is an almost pure form of elemental carbon, produced as a fine pellet or powder with a high surface-to-volume ratio, and is most commonly used to strengthen rubber in tires.

Carbon black is also widely used as a pigment, UV stabilizer, and conductive or insulating agent in a variety of rubber, plastic, ink and coating applications.

Our carbon black testing reagents meet and exceed the tolerances required by the ASTM Method D1510, ensuring accuracy in your Iodine Adsorption Number (IAN) testing.

Carbon Black Reagents for ASTM D1510:

- Sodium thiosulfate, 0.0394 N prepared using ACS grade microcrystalline materials and double-deionized ASTM Type I water to maximize shelf life
- Iodine, 0.0473 N prepared using ACS grade KI, and crystalline elemental Iodine and ASTM Type I water to ensure a clean and stable product
- Prepared in an ISO9001 & ISO17034 facility in the United States



[BIT.LY/CARBON-BLACK-REAGENTS](https://bit.ly/carbon-black-reagents)

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ZeptoMetrix[®]
an antylia scientific company

Carbon Black Reagents for ASTM D1510:

All solutions are prepared gravimetrically, using high accuracy analytical balances, to ensure precise target concentrations. Each batch is thoroughly homogenized using a high-speed industrial mixer to ensure reliable results from the first bottle to the last.

Sodium thiosulfate reagents are run against a 0.1N potassium dichromate solution and the exact normality of this solution is calculated against a NIST material. 6 replicate samples are run that must all be within nominal value of 0.0394 N \pm 0.00008 N.

Iodine reagents are tested against our certified sodium thiosulfate solutions in triplicate to achieve conformance within the nominal value of 0.0473 N \pm 0.00003 N.

Carbon Black Reagents

Part No.	Description	Packaging	Volume
182002	0.0394 N Sodium Thiosulfate	Cubitainer	1 gallon
183134	0.0473 N Iodine	Amber Glass Bottle	1 gallon

Larger volume containers available upon request.



0.0473 N Iodine



0.0394 N Sodium Thiosulfate

Ask us about our Certified Reference Materials for Environmental & Industrial testing, including:

- Heavy metals
- 6PPD
- Phthalates

Need more reagents? We supply testing labs with their laboratory chemicals too!

- Acids: Nitric, Hydrochloric Acids, etc.
- Bases: Sodium & Potassium Hydroxide, etc.
- Solvents: Acetone, Toluene, and more
- DI & ASTM grade water

Visit www.zeptomatrix.com for all our Carbon Black industry products!



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Analytical Reference Materials & PT by ZeptoMetrix®