

**CA-tech****ZONE**  
**California Tech Zone**

**SORBENT TUBES CATALOG**

we are aware that the environment is most sensitive

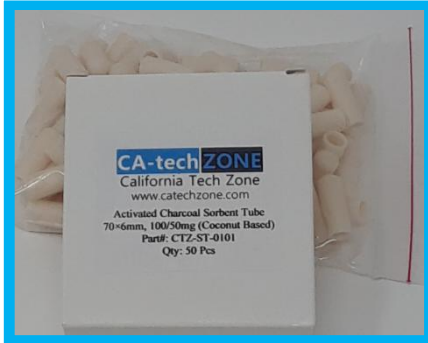


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### Activated Charcoal and Solid Sorbent Tubes



Our sorbent tubes are manufactured under strict quality control policy to provide the following specifications:

- Physical dimensions to assure proper fit in tube holder systems.
- Uniform pressure drop to assure repeatable sampling results.
- Accurate sorbent weight for uniform testing results.
- Sorbent material purity for contamination-free samples.

### FOR LOW FLOW VAPOUR AND GAS SAMPLING

Association offers a line of standard Charcoal, Silica gel and Tenax sorbent tubes for low flow adsorption sampling of toxic substances in the air.

Our sorbent tubes comply with all US NIOSH specifications for tube dimensions, adsorbent quality and particle size, divider composition and pore size. These tubes are designed for use in conjunction with all low flow air sampling systems and common tube holding systems. Typically each tube is divided into two adsorbent sections. The first section is twice the size of the back section and will collect the compounds of interest. The second section is a backup section to determine if airborne contaminants breakthrough occurred on the front section.

Our sorbent tubes are packed up in sturdy, molded black polyethylene boxes to resist breakage. These boxes secure tubes during transport, storage and day-to-day handling, allow easy labeling and organizing of test samples, protect against damaging light and U.V. rays. Every single box snaps shut to protect any sampled and unused tubes. Boxes contain 10 tubes each and are packed five boxes per carton (sold in 50-tube quantities). Each box of 10 tubes comes with 10 pairs of end caps for sealing after sampling.

The manufacturing range of the Association covers indicator tubes for express analysis of toxic gases and vapors, special hygienic control tests, appliances for toxic aerosols determination, sample-collecting devices for gases and dust in working areas and environment, glassware for hygienic control, plastic disposable articles, etc.

Various kinds of indicator tubes are produced:

AT- express control indicator tubes;

LT-long-term indicator tubes for mean-shift exposure /TWA/ determination;

PM-personal passive monitors;

ST-sampling tubes with absorbent;

HST-Head-space tubes for gas analysis in liquids;

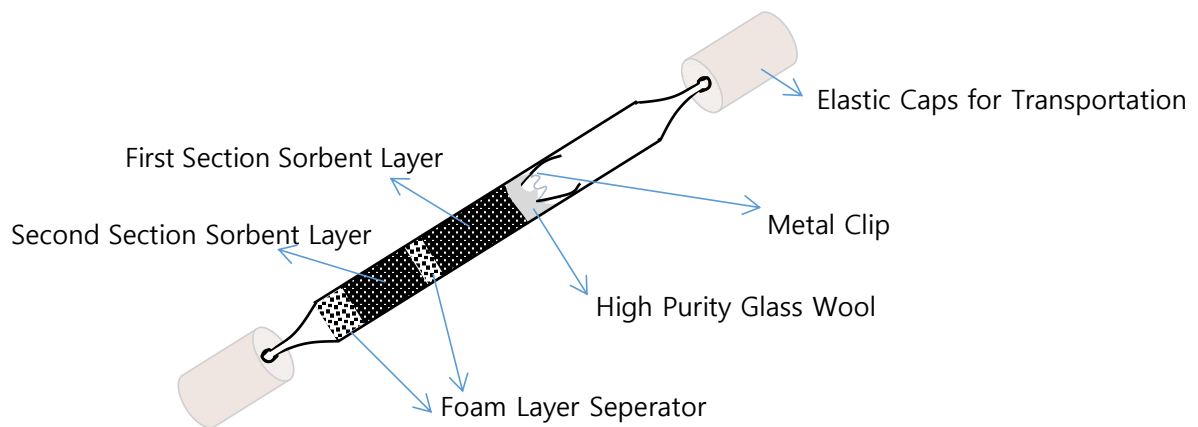
TT-special test tubes, etc.

## ACTIVATED CHARCOAL (COCONUT BASED) TUBES



### Features

- Pure rubber caps; zero contamination with pure rubber caps.
- Individual serial number; each tube has an individual serial number. This provides a good and correct report.
- Clean/pure bed materials; each tube has included clean/pure bed materials.
- Useful packaging; each package has included small packages consist of 10 pieces.



**Figure 1 :** Schema of “CTZ-ST-0101” and “CTZ-ST-0102”

**Sorbent Tubes**

Part Number	Sorbent Type	Size (LxØ) (mm)	Sections	Bed Weight (mg)	Ends	Seperators	Package Quantities
CTZ-ST-0101	Activated Charcoal (Coconut Based)	70x6	2	100/50	GS	FFW	50 Pcs
CTZ-ST-0101-5	Activated Charcoal (Coconut Based)	70x6	2	100/50	GS	FFW	500 Pcs
CTZ-ST-0101-10	Activated Charcoal (Coconut Based)	70x6	2	100/50	GS	FFW	1000 Pcs
CTZ-ST-0101GO	Activated Charcoal (Coconut Based)	70x6	2	100/50	GO	FFW	50 Pcs
CTZ-ST-0102	Activated Charcoal (Coconut Based)	110x8	2	400/200	GS	FFW	50 Pcs
CTZ-ST-0102-5	Activated Charcoal (Coconut Based)	110x8	2	400/200	GS	FFW	500 Pcs
CTZ-ST-0102-10	Activated Charcoal (Coconut Based)	110x8	2	400/200	GS	FFW	1000 Pcs
CTZ-ST-0102GO	Activated Charcoal (Coconut Based)	110x8	2	400/200	GO	FFW	50 Pcs
CTZ-ST-0103	Activated Charcoal (Coconut Based)	110x10	2	800/200	GS	FFW	50 Pcs
CTZ-ST-0103GO	Activated Charcoal (Coconut Based)	110x10	2	800/200	GO	FFW	50 Pcs
CTZ-ST-0301	Chromosorb-102	70x6	2	66/33	GS	WWW	50 Pcs
CTZ-ST-0304	Chromosorb-102	110x8	2	200/100	GS	WWW	20 Pcs
CTZ-ST-0305	Chromosorb-102	110x8	2	100/50	GS	WWW	50 Pcs
CTZ-ST-0401	Chromosorb-104	70x6	2	75/37	GS	WWW	50 Pcs
CTZ-ST-0501	Chromosorb-106	70x6	2	75/37	GS	WWW	50 Pcs
CTZ-ST-0502	Chromosorb-106	70x7,2	2	100/50	GS	WWW	50 Pcs
CTZ-ST-0503	Chromosorb-106	150x10	2	600/300	GS	WWW	10 Pcs
CTZ-ST-0601	Chromosorb-108	70x6	2	75/37	GS	WWW	50 Pcs
CTZ-ST-0701	Florisol	70x6	2	100/50	GS	WWW	50 Pcs
CTZ-ST-0702	Florisol	110x8	2	400/200	GS	WWW	50 Pcs
CTZ-ST-0901	Microlite	70x6	1	200	GS	WW	50 Pcs
CTZ-ST-0902	Microlite	110x8	1	500	GS	WW	50 Pcs
CTZ-ST-1001	Molecular Sieve (Triethanolamine)	110x7,2	2	400/200	GS	WWW	50 Pcs
CTZ-ST-1102	Molecular Sieve (Triethanolamine)	70x6	2	100/50	GS	WWW	20 Pcs
CTZ-ST-1201	Propak-N	70x6	2	88/44	GS	WWW	50 Pcs
CTZ-ST-3901	Propak-P	110x6	2	100/50	GS	FFW	50 Pcs
CTZ-ST-1301	Propak-Q	70x6	2	78/39	GS	WWW	50 Pcs
CTZ-ST-1302	Propak-Q	110x6	2	150/75	GS	WWW	50 Pcs
CTZ-ST-1401	Propak-R	70x6	2	70/35	GS	WWW	50 Pcs
CTZ-ST-1801	Silica Gel	70x6	2	150x75	GS	FFW	50 Pcs
CTZ-ST-1802	Silica Gel	110x8	2	520x260	GS	FFW	50 Pcs

Table 1.1 : Sorbent Tubes part numbers.

**Sorbent Tubes**

Part Number	Sorbent Type	Size (LxØ) (mm)	Sections	Bed Weight (mg)	Ends	Seperators	Package Quantities
CTZ-ST-1802W	Silica Gel	110x8	2	520x260	GS	WWW	50 Pcs
CTZ-ST-1803	Silica Gel	110x8	2	300x150	GS	WWW	50 Pcs
CTZ-ST-1804	Silica Gel	110x10	2	1040x260	GS	FWW	50 Pcs
CTZ-ST-1811	Silica Gel (SpeciallyCleaned)	70x6	2	150x75	GS	WWW	50 Pcs
CTZ-ST-1812	Silica Gel (SpeciallyCleaned)	110x8	2	520x260	GS	WWW	50 Pcs
CTZ-ST-1813	Silica Gel (SpeciallyCleaned)	110x7,2	2	400x200	GS	WWGW	50 Pcs
CTZ-ST-1814	Silica Gel (SpeciallyCleaned)	110x10	2	800x200	GS	FWW	50 Pcs
CTZ-ST-1821	Silica Gel (2,4-Dinitrophenyl hydrazine)	110x6	2	300x150	GS	WWW	20 Pcs
CTZ-ST-1821-10	Silica Gel (2,4-Dinitrophenyl hydrazine)	110x6	2	300x150	GS	WWW	100 Pcs
CTZ-ST-1822	Silica Gel (2,4-Dinitrophenyl hydrazine)	110x6	2	400x200	GS	WWW	20 Pcs
CTZ-ST-1823	Silica Gel (2,4-Dinitrophenyl hydrazine)	150x6	2	800x200	GS	WWW	20 Pcs
CTZ-ST-1831	Silica Gel (Sulfuric Acid)	70x6	2	200/100	GS	WWW	50 Pcs
CTZ-ST-1832	Silica Gel (Sulfuric Acid)	110x6	2	200/100	GS	WWW	50 Pcs
CTZ-ST-1833	Silica Gel (Sulfuric Acid)	110x8	2	200/200	GS	WWW	50 Pcs
CTZ-ST-1834	Silica Gel (Sulfuric Acid)	70x6	2	150/75	GS	WWW	50 Pcs
CTZ-ST-1835	Silica Gel	70x6	2	100/50	GS	FWW	50 Pcs
CTZ-ST-2001	Tenax	70x6	2	40/20	GS	FFW	50 Pcs
CTZ-ST-2002	Tenax	70x6	2	20/10	GS	FWW	50 Pcs
CTZ-ST-2005	Tenax	110x8	2	100/50	GS	FWW	50 Pcs
CTZ-ST-2101	XAD-2	110x8	2	400/200	GS	WWW	50 Pcs
CTZ-ST-2102	XAD-2	70x7	2	80/40	GS	WWW	50 Pcs
CTZ-ST-2103	XAD-2	110x8	2	100/30	GS	WWW	50 Pcs
CTZ-ST-2104	XAD-2	110x8	2	100/50	GS	WWW	50 Pcs
CTZ-ST-2105	XAD-2	110x8	2	150/75	GS	WWW	50 Pcs
CTZ-ST-2111	XAD-2 (2-Hydroxymethyl)	110x6	2	150/75	GS	WWW	20 Pcs
CTZ-ST-2112	XAD-2 (2-Hydroxymethyl)	110x6	2	120/60	GS	WWW	20 Pcs
CTZ-ST-2113	XAD-2 (2-Hydroxymethyl)	110x8	2	450/225	GS	WWW	20 Pcs
CTZ-ST-2114	XAD-2 (2-Hydroxymethyl)	70x6	2	45/23	GS	WWW	20 Pcs
CTZ-ST-2116	XAD-2 (Naphthylisothiocyanate)	70x6	2	80/40	GS	WWW	50 Pcs
CTZ-ST-2131	XAD-2 (Octanoic Acid)	70x6	2	100/50	GS	WWW	50 Pcs
CTZ-ST-2301	XAD-7	70x6	2	60/30	GS	WWW	50 Pcs
CTZ-ST-2302	XAD-7	110x6	2	100/50	GS	WWW	50 Pcs
CTZ-ST-2401	Anasorb 747	70x6	2	140/70	GS	FWW	20 Pcs
CTZ-ST-2501	Soda Lime	110x7	2	600/200	GS	WWWG	50 Pcs
CTZ-ST-3801	Oxydizer (conversion tube of CTZ-ST-1002-03)	110x7,2	1	800	GS	WW	10 Pcs
CTZ-ST-3802	Oxydizer (filter tube)	110x7,2	1	800	GS	WW	10 Pcs

Table 1.1 : Sorbent Tubes part numbers (continue).



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