para-tert-Butylphenol (PTBP)

para-tert-Butylphenol (PTBP) · RS-PTBP · CAS 98-54-4 · Technical Data Sheet · RawSource · rawsource.com/product/para-tert-butylphenol/

CAS NO.	PRODUCT CODE	PRODUCT TYPE
98-54-4	RS-PTBP	Alkylphenol · chemical intermediate

4-tert-Butylphenol is a para-substituted alkylphenol supplied as a white flake solid. The tert-butyl group gives the molecule a compact, sterically hindered structure. It is an intermediate for phenolic resins, antioxidants, stabilizers and polymer synthesis. It is readily soluble in common organic solvents and only slightly soluble in water.

DISTRIBUTED BY
RawSource Inc.
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Product page: rawsource.com/product/para-tert-butylphenol/
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GENERAL INFORMATION

Chemical name	4-tert-Butylphenol
Molecular formula	$C_{10}H_{14}O$
Molecular weight	150.22 g/mol

TYPICAL PROPERTIES

Melting Point	97.5 – 101 °C

Typical values are representative of the product and are not specifications.

RELEASE SPECIFICATION

PARAMETER	SPECIFICATION	TYPICAL
Appearance	White flake solid	Conform
Content	99.5 % min	99.94 %
Freezing Point	97.5 °C min	97.9 °C
Other Impurity	0.5 % max	0.05 %
Moisture	0.10 % max	

Each lot is released against this specification. Lot-specific results are reported on the Certificate of Analysis that ships with every delivery.

KEY FEATURES

- Readily soluble in common organic solvents
- Only slightly soluble in water

APPLICATIONS

- Intermediate for para-tert-butylphenol-formaldehyde resins used in adhesives, printing inks, surface coatings and rubber compounding
- Oil-soluble phenolic resins
- Raw material for antioxidants and stabilizers
- Monomer or chain terminator in polycarbonate and epoxy synthesis

Applications are those stated for the product. Confirm suitability for each formulation by trials.

HANDLING REQUIREMENTS

- Store in a cool, dry place.
- Protect from light.

PACKAGING AND SHELF LIFE

- 25 kg bags
- Shelf life: 24 months from production date.

The information in this Technical Data Sheet is provided for technical evaluation and is believed to be accurate as of the issue date. Typical values are representative and do not constitute a warranty. Binding specifications are those stated on the lot-specific Certificate of Analysis and in the sales contract. Users should verify suitability for their own process and regulatory requirements. Refer to the Safety Data Sheet before handling. Questions: solutions@rawsource.com.