

Technical Data Sheet

Orthoxylene

o-Xylene is an aromatic hydrocarbon with the formula $C_6H_4(CH_3)_2$. with two methyl substituents bonded to adjacent carbon atoms of a benzene ring. It is a constitutional isomer of m-xylene and p-xylene, the mixture being called xylene or xylenes. o-Xylene is a colorless slightly oily flammable liquid.

Applications:

In the production of phthalic anhydride PA, dioctyl phthalate DOP and colors are used.

Properties	Value	Units	Test Method
Purity	98.0 min	Wt%	UOP 744-86
Non aromatics	0.5 max	Wt%	ASTM 2360-00
Benzene plus C9 and heavier aromatics	1.0 max	Wt%	UOP 744-86
Ortho, meta & para Xylene plus Toluene plus Ethylbenzene	98.5 min	Wt%	UOP 744-86
Distillation range °c at 760 mm Hg	2.0 max including 144.4		ASTM D 850-00
Total Sulfur	1.0 max	Wt.ppm	ASTM D 4045-99
Color, Pt-co scale	20 max		ASTM D 1209-00
Acidity	None detected	---	ASTM D 847-96
Hydrocarbon residue after evaporation	20 max	Wt.ppm	ASTM D 1353-96
SO ₂ / H ₂ S	None detected	---	ASTM D 853-97
Vapor Pressure	0.3	psi	ASTM D 323-99A
Specific Gravity at 15.56/15.56 °c	0.88 - 0.89	°c	ASTM D 4052-96