



**Detection and Identification of solvent extracted organics  
by FTIR and GC-MS**

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**ABSTRACT**

*The present paper deals with the detection of organics in wastewater from dye industry in Sachin and Pandesara, GIDC, Surat, India. The eight different samples were collected from dye industry in Sachin and Pandesara, GIDC, Surat, India. Sample was extracted with dichloromethane ( $CH_2Cl_2$ ) and organic layer was sent for FTIR and GC-MS. The probable organics present in wastewater were determined by FTIR and GC-MS. Along with detection of organics some physicochemical parameters like pH, TDS, conductivity, sulphates, chlorides, COD etc were also studied, respectively.*

**Keywords:** Dye wastewater, FTIR, GC-MS, COD, solvent extraction.

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