

Materials List for:

Combustion Chemistry of Fuels: Quantitative Speciation Data Obtained from an Atmospheric High-temperature Flow Reactor with Coupled Molecular-beam Mass Spectrometer

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Materials

Name	Company	Catalog Number	Comments
Time-Of-Flight MBMS	Kaesdorf	n.a.	custom design
Molecular Beam Sampling Interface	self made	n.a.	custom design
Laminar Flow Reactor	Gero	Type HTRH 40-1000	custom design
Quadrupole MS	Hiden	HAL/3F 301	adapted to ionization chamber
Vaporizer	Bronkhorst	CEM	Vaporizer
Mass Flow Meter	Bronkhorst	Mini Cori-Flow M12, M13, M14	Flow Controller
Jet A-1	n.a.	n.a.	Standard Jet fuel of interest
Metal syringe	Hugo Sachs	70-2252	Fuel Supply
Heating Hoses	Hillesheim	HMI series	Gas Preheating
Gas	Linde	Ar, O2	Diluent, Oxidizer