FSP_ontology

Date: 2024-12-17
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Title:

Date of experiment:	
Experimenter:	
Assistant:	
Goal of Experiment:	

Flame 1 (front) - precursors										
Sample ID	Element	Precursor (Metal)	Precursor provider (metal)	Precursor LOT number (metal)	Precursor (solvent)	Precursor provider (solvent)	Precursor LOT number (solvent)	used volume of precursor solution [ml]	precursor molarity [M]	notes:

Flame 1 (front) - gas and dispersion parameters													
Sample ID	precursor feed rate [ml/min]	dispersion gas (type)	dispersion gas purity	dispersion gas flow rate [l/min]	fuel gas (type)	fuel gas purity	fuel gas flow rate [l/min]	O_2 gas purity (pilot flame)	O_2 flow rate [l/min] (pilot flame)	sheath gas (type)	sheath gas purity	sheath gas flow rate [l/min]	notes:

Flame 1 (front) - reactor set-up						
Sample ID	Nozzle type (e.g. Tethis)	nozzle-filter distance [cm]	nozzle angle [°]	pressure drop at nozzle [bar]	final pressure drop [mbar]	notes:

Flame 2 (back) - precursors											
Sample ID	Element	Precursor (Metal)	Precursor provider (metal)	Precursor LOT number (metal)	Precursor (solvent)	Precursor provider (solvent)	Precursor LOT number (solvent)	mass of metal precursor [g]	total volume of precursor solution [ml]	precursor molarity [M]	notes:

Flame 2 (back) - gas and dispersion parameters													
Sample ID	precursor feed rate [ml/min]	dispersion gas (type)	dispersion gas purity	dispersion gas flow rate [l/min]	fuel gas (type)	fuel gas purity	fuel gas flow rate [l/min]	O_2 gas purity (pilot flame)	O_2 flow rate [l/min] (pilot flame)	sheath gas (type)	sheath gas purity	sheath gas flow rate [l/min]	notes:

Flame 2 (Back) - reactor set-up							
Sample ID	nozzle type (e.g. Tethis)	nozzle-filter distance [cm]	horizontal nozzle distance [cm]	nozzle angle [°]	pressure drop at nozzle [bar]	final pressure drop [mbar]	notes:

Results				
Sample ID	empty filter [g]	covered filter [g]	sieving grid [µm]	Product after sieving [mg]

Notes/observations:

Link: https://elabftw.iwt.zz/ucp.php?tab=3?mode=view&id=170