SensoTech

LiquiSonic®

Questionaire crystallization

company _____
department _____
name _____
street _____
ZIP, town _____
phone _____
fax _____
e-mail _____

1. Process liquid

1.1. Crystals

identifier: _____

formula : _____

CAS-number: _____

crystal size: _____

density: _____

1.2. Solvent

identifier: _____

formula: _____

formula: _____

2. Metastable range

saturation function $c_s = f(T)$ c_s = _____

crystallization function $c_k = f(T)$ c_k = _____

Temperature	Saturation concentration	Concentration of seed generation

☐ The metastable range is unknown.

3. Crystallization kinetics

crystallization kinetics:

☐ The crystallization kinetics is unknown.

4. Cooling crystallization

start temperature: _____
final temperature: _____
cooling rate: _____
crystallizer principle: _____
volume of the crystallizer: _____
frigidity generation: ☐ internal heat exchanger ☐ external heat exchanger

5. Evaporation crystallization

crystallization temperature: _____
evaporation volume per hour: _____
heat generation: ☐ internal heat exchanger ☐ external heat exchanger
mass flow mother solution: _____

6. General technical data

pressure range: _____
Ex-level: ☐ 1 ☐ 2 ☐ 3 ☐ non
gas bubbles existing: ☐ yes ☐ no
stirrer existing ☐ yes ☐ no
bypass existing: ☐ yes (DN _____) ☐ no
process connector existing: ☐ yes (DN _____) ☐ no
process control system existing: ☐ yes ☐ no

7. Informations

☐ I am interested in the determination of the metastable range.
☐ I am interested in the determination of the supersaturation during the crystallization.
☐ I am interested in the determination of the crystal content during the crystallization.
☐ Other: _____

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