



Loedige – Test center

Questionnaire for preparation of tests

Your process:

- | | | |
|--------------------------|---------------------|--------------------------|
| Mixing | - dry materials | <input type="checkbox"/> |
| | - with liquids | <input type="checkbox"/> |
| Granulation | | <input type="checkbox"/> |
| Tempering | - heating | <input type="checkbox"/> |
| | - cooling | <input type="checkbox"/> |
| Drying with | - normal atmosphere | <input type="checkbox"/> |
| | - vacuum | <input type="checkbox"/> |
| Chemical reaction | | <input type="checkbox"/> |
| Coating | | <input type="checkbox"/> |

Planned process:

- | | |
|--------------|--------------------------|
| batch wise | <input type="checkbox"/> |
| continuously | <input type="checkbox"/> |

It is:

- | | |
|----------------------------------|--------------------------|
| new product / process | <input type="checkbox"/> |
| changing of a running production | <input type="checkbox"/> |

1. Components

1.1 Bulk material:

no.	name	portion in formula [Gew %]	bd [kg/l]	particle size			moisture [%]	more s. com.
				min [μ]	& [μ]	max [μ]		
1								
2								
3								
4								
5								
6								

comments: 1 abrasive 2 corrosive 3 hazardous material 4 Material Safety Data Sheet available
 5 flammable (→dust explosion proofness)

1.2 Liquids:

no.	name	portion in formula [Gew %]	bd [kg/l]	viscosity [mPas]	WEC	more s. com.
2						
3						
4						
5						
6						

comments: 1 acid 2 alkaline 3 hazardous material 4 Material Safety Data Sheet available
 5 flammable (→explosion proofness) / WEC = water endangerment category

1.3 Special properties of the bulk materials:

<input type="checkbox"/> fluidising	for component no.	<input type="text"/>
<input type="checkbox"/> well flowing		<input type="text"/>
<input type="checkbox"/> adhering		<input type="text"/>
<input type="checkbox"/> hooking		<input type="text"/>
<input type="checkbox"/> sticking		<input type="text"/>
<input type="checkbox"/> bridging		<input type="text"/>
<input type="checkbox"/> thixotropic		<input type="text"/>
<input type="checkbox"/> hydrophilic		<input type="text"/>
<input type="checkbox"/> hydrophobic		<input type="text"/>
<input type="checkbox"/> hygroscopic		<input type="text"/>
<input type="checkbox"/>	<input type="text"/>	

1.4 Structure of bulk materials:

<input type="checkbox"/> muddy	for component no.	<input type="text"/>
<input type="checkbox"/> wet		<input type="text"/>
<input type="checkbox"/> earth-moist		<input type="text"/>
<input type="checkbox"/> dry		<input type="text"/>
<input type="checkbox"/> dusty		<input type="text"/>
<input type="checkbox"/>		<input type="text"/>

1.5 Sensitivity to mechanical forces:

<input type="checkbox"/> abrasion	for component no.	<input type="text"/>
<input type="checkbox"/> friction (fragile)		<input type="text"/>
<input type="checkbox"/> dust development		<input type="text"/>
<input type="checkbox"/>		<input type="text"/>

2. Your Experiences and prospects for the process

2.1 Incrustation predisposition:

- expected with bulk material only
- expected with addition of liquid

	experience	expected
<input type="checkbox"/> none	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> negligible	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> strong	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> hydrating hardening	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> easy to remove	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> tight	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> resistant like concrete	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2.2 Singularity of the process:

	experience	expected
<input type="checkbox"/> agglomeration/caking	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> steam development	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> chemical reaction	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

If reaction:

	kJ / mol
<input type="checkbox"/> exothermic
<input type="checkbox"/> endothermic
<input type="checkbox"/>	

speed of the exothermic reaction:

- slow
 fast
 rapid

3.1 Structure of the final product:

- free-flowing
- powdery
- dust free
- pasty
- granules/agglomerates
-
-
-

3.2 Quality criteria for the final product:

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analytical method:

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4. Machine cleaning (experiences, proposals):

<input type="checkbox"/> dry cleaning	wet cleaning with <table border="0" style="margin-left: 20px;"> <tr><td>water</td><td><input type="checkbox"/></td></tr> <tr><td>steam</td><td><input type="checkbox"/></td></tr> <tr><td>solvent</td><td><input type="checkbox"/></td></tr> <tr><td>.....</td><td><input type="checkbox"/></td></tr> <tr><td>.....</td><td><input type="checkbox"/></td></tr> </table>	water	<input type="checkbox"/>	steam	<input type="checkbox"/>	solvent	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
water	<input type="checkbox"/>										
steam	<input type="checkbox"/>										
solvent	<input type="checkbox"/>										
.....	<input type="checkbox"/>										
.....	<input type="checkbox"/>										
<input type="checkbox"/> proposal for detergent										

5. Description of the process

(actual / planned changings)

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6. If there is anything else:

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Your address:

Our address:

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