JOKOH LABORATORY TEST REQUEST FORM

Revision number: Sixth edition

To the Nano Materio Engineering Division, Jokoh Co., Ltd.

＊Understand the information about the studies, and kindly fill out the form as far as you can (we will refer to it when carrying out tests on the actual machine.)

＊Please attach an SDS regarding subject substances and solvents.

Client		Test Purpose			
Company name		(Select all that apply) If you have any other comments, write them in the space in the "Other" section. ☐ Dispersion ☐ Milling ☐ Emulsion ☐ Other ☐ New ☐ Request for a test witness (number of persons:)			
Agency name		☐ Improving the product performance (particle size, shape, contamination, etc.) Improving the production efficiency (energy, time, space, etc.) ☐ Confirmation of scale-up			Preferred date for test If there is a possibility of additional studies, please fill out as following. For example: Request for 12/2 if not done by 12/1
Person in charge		Total Sample amount (volume)			Additional containers after processing Provided by: ☐ You ☐ Us
		Number of samples (sample A, sample B, etc.)			Minimum rate of recovery E.g.: Less than 10%
Address		PH of specimens	(Enter a numerical value)		Requested amount for collection
		Corrosively (Yes / No)	☐ Yes ☐ None		
		Toxicity	☐ Yes ☐ None		E.g.: 10kg of sample A and 5kg of sample B, etc.
Phone number		Processing of waste water	(Select: Processing by us / processing by your company		
E-mail			leave comments if there are precautions)		
State of expected sample after processing		Initial particle size	d50=	dmax=	Name of the evaluation equipment for values on the left
		Target particle size	d50=	dmax=	
		Initial viscosity	mPa·s		Name of the evaluation equipment for values on the left
		Target (final) Viscosity	mPa·s		
Current methods / parameters		Problems in current processing method			
Contamination deemed as 'not acceptable'	Metal (Ion) ☐ Not acceptable Humidity (water content) ☐ Not acceptable Color ☐ Not acceptable	Upper limit of processing temperature (after treatment, upper limit when stored)			
What is the application or end use		Required amount of samples for evaluation by your company	Amount of collected samples during process E.g.: 10 CC for both 10 PASS and 20 PASS		Final sample amount E.g.: Request for 20 CC in total

Composition of the subject substances and the characteristics of the slurry				
Material name		Dispersant	☐ Yes ☐ Not acceptable ☐ Possible to use, but preferably not to be added	wt%
		Process aids	☐ Yes ☐ Not acceptable ☐ Possible to use, but preferably not to be added	wt%
Other additives	☐ Yes			wt%
Solvent		Aggregate particle size	Intensity of aggregation ☐ Strong ☐ Weak d50= dmax=	Name of the evaluation equipment for values on the left
Shape of specimens	☐ Solid (block shape) ☐ Powder ☐ State of slurry	Concentration	Starting wt%	After processing wt%
In case of the state of slurry, slurry characteristics		Reaggregation (yes / no)	☐ Yes ☐ Matters to be noted ☐ No	
Characteristics of viscosity		Settleability	☐ Yes ☐ Matters to be noted ☐ No	
Pre-dispersing method (equipment / time slot)		Pre-mixing and conditioning of slurry at Jokoh	☐ Request	

Method of Measurement (Jokoh's own equipment)			
Select your request (all that apply)			Other
Particle size analyzer	☐ Laser diffraction scattering HORIBA LA960	☐ No specific request (at Jokoh's discretion)	
	☐ Dynamic light scattering DLS Otsukadenshi FPAR-1000		
Potential measurement	☐ Zeta-potential measuring device Otsukadenshi ELS Z		
Image observation	☐ Scanning probe microscope Nihondenshi JSPM-5200		
Viscometer	☐ Cone and Plate viscometer, EKO Instruments , PV2TCP		

Other requests