Wash Recipe Questionnaire Instructions



How to fill in this questionnaire

Introduction and background

The purpose of the Alliance for Responsible Denim is to produce denim in a sustainable way and each member aims to collaborate together to achieve the sustainability goals. In accordance with the brands, we set up this questionnaire to gain deeper insights into denim finishing processes. By gathering all possible data from you and other denim suppliers, we aim consequently to guide suppliers and brands towards a more sustainable production. We are not ranking suppliers according to the results or using the questionnaire as a decision-making tool to shift production elsewhere. The information gathered from the questionnaire will remain confidential.

Focus of the questionnaire

The questionnaire focuses on the brand's Never-Out-of-Stock (NOS) styles sequences in the finishing process. You are kindly requested to provide information related to the specific NOS style/s and its finishing sequences.

How to fill in this questionnaire

The questionnaire is formatted in an Excel file which you can request via email (info@denimalliance.org). The Excel file comprises three main parts. Please fill in and complete all questions in the most diligent way possible.

- 1. Facilities General Information sheet: general information related to the suppliers' features and factories
- 2. Example of filled questionnaire: the suppliers have the opportunity to look at a filled in questionnaire for the specific NOS style. We ask to fill in the questionnaire following the example.
- **3.** NOS Styles Specific Information sheet: (one for each NOS Style) related to specific questions on different topics.

Please read all questions carefully and provide as detailed information as possible. Some questions could ask for evidence documentation, we kindly ask you to attach the relevant documents when requested to complete the questionnaire.



FACILITIES GENERAL INFORMATION

Supplier details:

Factory Name	
City	
Country	
Name of person completing the questionnaire	
Job Title	
Contact Info (e-mail/phone)	

General information related to the facility:

Do you have access to / use an Effluent Treatment Plant (ETP)?	
What % of your water will be re-used?	
Do you generate your own energy through solar or other sustainable solutions?	
What % of your energy will generated in a sustainable way?	
Do you track and calculate the greenhouse gas emissions? (If YES, please provide evidence.)	
Is your discharge data disclosed? e.g. IPE platform	



FACILITIES GENERAL INFORMATION

Information related to the availability of machines:

How many production washing machines do you have?

How many production dryers do you have?

Which sustainable laundry machinery do you have? Laser Machine (e.g. Tonello, Jeanologia, others) Ozone machine (e.g. Tonello, Jeanologia, others) E-flow machine (Jeanologia) Core machine (Tonello) NoStone machine (Tonello) Water Brush Machine (Tonello) Spray Robot (VAV) Other, please specify We don't have any sustainability machines

Is the facility taking part in any of these initiatives?

Greenpeace Detox
ZDHC
BEPI
Higg Index- environmental facility module
PaCT
Better Mill Initiative
Clean by Design (NRDC)
Jeanologia-EIM
Green Screen
roject in collaboration with DyeStar/Huntsman/Stahl or other 📃
Environmental footprint measurement (please specify)

Any other intiative linked to water, chemicals, energy/emissions (please specify)



FACILITIES GENERAL INFORMATION

Does the facility have any of the following environmental certifications?

Oeko-Tex 100	
Oeko-Tex 1000	
Oeko-Tex STeP	
bluesign	
GOTS	
GRS	
EU Ecolabel	
ISO 14001	
ISO 5001	

Any other certification linked to water, chemicals, energy/emissions (please specify)

Does the facility have any policies in place? *if yes, submit evidence

Do you have a policy on REACH?
Do you have a policy on SVHC?
Do you have [self] declarations from your chemical suppliers available?
Do you use Material Safety Data Sheets?
Do you have an inventory of all chemicals used at your facility?
Are chemicals automatically measured and dosed?
Do you have an MRSL?

EXAMPLE OF FILLED QUESTIONNAIRE ON RECEIPT OF NOS STYLE



Factory name: Factory X

Brand name: Brand X

NOS style name: Butterfly Skinny

NOS (internal) style number: 15157

Quantity of NOS per order (one wash): 20.000

Total quantity of NOS per year for this brand (one wash): 120.000 Total production quantity per year for this facility: 3.600.000 Total avarage use of Energy per year for this facility (kWh): 2.880.000 Total avarage use of Natural Gas per year for this facility (m3): 720.000 Total avarage use of Water per year for this facility (ton): 92.400.000



SEQUENCE	NAME OF PROCESS	DURATION OF PROCESS IN MINS.	TYPE OF CHEMICAL USED FOR THIS PROCESS	BRAND NAME OF CHEMICAL	NAME OF CHEMICAL SUPPLIER	AMOUNT OF CHEMICAL (GRAMS)	AMOUNT OF STONES USED (KGS)	AMOUNT OF WATER (LITERS)	TEMPERA- TURE (CELSIUS)	AMOUNT OF PIECES WASHED PER PROCESS	BRAND NAME OF MACHINE	TYPE OF MACHINE
1	Laser Blasting	0,5									Jeanologia	FLEXI HS3D
2	Rinse Wash	5	Dispersant	TMS Max	Royal Chemical	300		300	45	150	Tolkar	3815
			Wetting Agent	LAVA VET MDF1496	DYSTAR	300						
			CREASE PREVENTING	SERA LUBE M-CF	DYSTAR	300						
3	STONE WASH	10	STONE ENZYME	ROGLY COLD	DYSTAR	300	200	300	40	150	TOLKAR	3815
			DISPERSANT	TMS MAX	ROYAL CHEMICAL	400						
4	RINSE WASH	5	ONLY WATER					500		150	TOLKAR	3815
5	STONE WASH	20	DISPERSANT	TMS MAX	ROYAL CHEMICAL	400	100	300	40	150	TOLKAR	3815
6	RINSE WASH	5	ONLY WATER					500		150	TOLKAR	3815
7	RINSE WASH	5	ONLY WATER					500		150	TOLKAR	3815
8	BLEACH	6	SODIUM HYPOCHLO- RITE (NaOCI)		DYSTAR	2000		500	45	150	TOLKAR	3815
9	RINSE WASH	5	ONLY WATER					500		150	TOLKAR	3815
10	NEUTRALISA- TION	5	SODIUM METABI- SULFITE (NA2S2O50		DYSTAR	1500		400	45	150	TOLKAR	3815
11	RINSE WASH	5	ONLY WATER					500		150	TOLKAR	3815
12	RINSE WASH	5	ONLY WATER					500		150	TOLKAR	3815
13	EXTRACTING											
14	DRYING	35							80	120	TOLKAR	5070
15	SPRAYING		POTASSIUM PERMANGANATE (KMpO4)		ROYAL CHEMICAL	10		1		8		

SEQUENCE	NAME OF PROCESS	DURATION OF PROCESS IN MINS.	TYPE OF CHEMICAL USED FOR THIS PROCESS	BRAND NAME OF CHEMICAL	NAME OF CHEMICAL SUPPLIER	AMOUNT OF CHEMICAL (GRAMS)	AMOUNT OF STONES USED (KGS)	AMOUNT OF WATER (LITERS)	TEMPERA- TURE (CELSIUS)	AMOUNT OF PIECES WASHED PER PROCESS	BRAND NAME OF MACHINE	TYPE OF MACHINE
16	NEUTRALISA- TION	5	SODIUM METABI- SULFITE (NA2S205)		DYSTAR	1500		400	45	150	TOLKAR	3815
17	RINSE WASH	5	ONLY WATER					500		150	TOLKAR	3815
18	RINSE WASH	5	ONLY WATER					500		150	TOLKAR	3815
19	BIOPOLISH- ING	5	ANTI-PILLING ENZYME	ROSEL BNT PLUS	ROYAL CHEMICAL	500				150	TOLKAR	3815
			ACETIC ACID (CH3COOH)		DYSTAR	300		400	50			
20	RINSE WASH	5	ONLY WATER					1000		150	TOLKAR	3815
21	RINSE WASH	5	ONLY WATER					500		150	TOLKAR	3815
22	LACCASE ENZYME	3	LACCASE ENZYME	ROYAL LYKE11	ROYAL CHEMCIAL	400				150	TOLKAR	3815
			ACETIC ACID (CH3COOH)		DYSTAR	300		500	60			
23	RINSE WASH	5	ONLY WATER					1000		150	TOLKAR	3815
24	RINSE WASH	5	ONLY WATER					500		150	TOLKAR	3815
25	DRAWBACKS	5	DISPERSANT	TMS MAX	ROYAL CHEMICAL	300		400		150	TOLKAR	3815
			ACETIC ACID (CH3COOH)		DYSTAR	300						
			HYDROGEN PEROXIDE (H202)		DYSTAR	1000						
26	RINSE WASH	5	ONLY WATER					500		150	TOLKAR	3815
27	RINSE WASH	5	ONLY WATER					500		150	TOLKAR	3815
28	TINTING	2	COLORING POWDER	T.BROW BL	DYSTAR	1		300		150	TOLKAR	3815
29	SOFTENING	1	SOFTENING AGENCY	MSA 96102	ROYAL CHEMICAL	1500		300		150	TOLKAR	3815

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30	EXTRACTING											
31	DRYING	35							80	120	TOLKAR	5070
						TOTAL AMOUNT OF WATER:		12.101 LITERS				

NOS STYLE



Factory name:

Brand name:

NOS style name:

NOS (internal) style number:

Quantity of NOS per order (one wash):

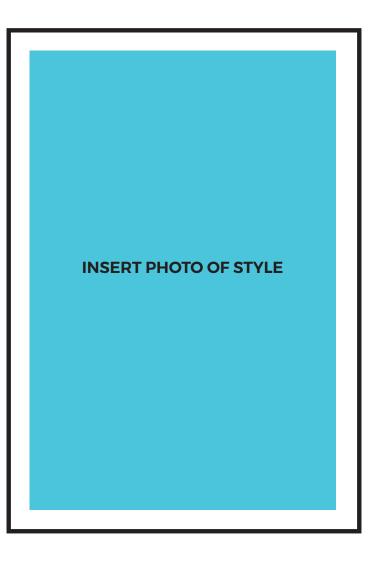
Total quantity of NOS per year for this brand (one wash):

Total production quantity per year for this facility:

Total avarage use of Energy per year for this facility (kWh):

Total avarage use of Natural Gas per year for this facility (m3):

Total avarage use of Water per year for this facility (ton):



SEQUENCE	NAME OF PROCESS	DURATION OF PROCESS IN MINS.	TYPE OF CHEMICAL USED FOR THIS PROCESS	BRAND NAME OF CHEMICAL	NAME OF CHEMICAL SUPPLIER	AMOUNT OF CHEMICAL (GRAMS)	AMOUNT OF STONES USED (KGS)	AMOUNT OF WATER (LITERS)	TEMPERA- TURE (CELSIUS)	AMOUNT OF PIECES WASHED PER PROCESS	BRAND NAME OF MACHINE	TYPE OF MACHINE
						TOTAL AMOU	NT OF WATER:	12.101 LITERS				