



moving **forward**
2020

integrity and
reliability

clarity and
content

transparency and
traceability





Denim**Blu**³⁰

PRE-REDUCED INDIGO

2020
transparency and
traceability



TRANSPARENT
AND TRACEABLE



DenimBlu³⁰

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2020
transparency and
traceability

for aniline free denim.
meeting requirements of denim
mills, retailers and consumers.

certified by



THE STRAITS TIMES

Singapore's Fastest
Growing Companies

2020

statista

for further information please contact
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benefits



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example of QR content

we tell you what is inside our product and we are transparent about our production

composition, tracking and tracing information

invoice no.	INV20027
date	10.06.20
customer	SMI (S)
production date	01.06.20
lot no.	BC200401
quantity (kg)	25.500
made in	Singapore

composition of DenimBlu30 lot no. BC200401

indigo crude	concentration 29.5 - 30.8%	lot no	container	supplier
batch / specification				
BC-19-11531		1912301-M-1	wfi-407-BC	Wonderful Chemical Industrial Ltd
BC-19-11532	30.0%	19113020-M-1	wfi-406-BC	Wonderful Chemical Industrial Ltd
BC-19-11533		19113020-M-1	wfi-406-BC	Wonderful Chemical Industrial Ltd

dispersing agent	0.1 - 0.8%	lot no	supplier
batch / specification			
BC-19-11531		09837989Q0	BASF
BC-19-11532	0.3%	09837989Q1	BASF
BC-19-11533		09837989Q2	BASF

caustic soda	4.0 - 6.3%	lot no	supplier
batch / specification			
BC-19-11531		DO 20273530	CHLOR-AL Chemical Pte Ltd
BC-19-11532	6.3%	DO 20273530	CHLOR-AL Chemical Pte Ltd
BC-19-11533		DO 20273530	CHLOR-AL Chemical Pte Ltd

water	62.7 - 64.4%	lot no	supplier
batch / specification			
BC-19-11531		N.A.	PUB
BC-19-11532	63.4%	N.A.	PUB
BC-19-11533		N.A.	PUB

consumption of energy and water

	per 1kg of DenimBlu ³⁰	unit	remark
ENERGY	0.028	kWh	
WATER	0.695	l	total for process and product, zero discharge

impurities of denimblu30

	per 1kg of DenimBlu ³⁰	unit	remark
24 BANNED AMINES	-		tested by STATS, not detected
ANILINE	6.9	mg/kg	tested by STATS
HEAVY METALS	-		tested by testex, no significant amount detected
POLYCYCLIC AROMATIC HYDROCARBONS (PAH)	-		tested by testex, not detected

- zero discharge production
- minimum energy requirement
- composition and impurities
- based on invoice or lot number or via QR code we provide transparency and traceability of DenimBlu30



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BluConnection hangtag



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AND TRACEABLE

based on invoice or
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DenimBlu30.



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example for certificate - ecopassport



Azo Dyes	ECO PASSPORT threshold value	#1 Category 2 B Vat Dye DenimBlu 30
Azo Dyes ECO PASSPORT by OEKO-TEX® Method 11.1 *		
Number of Tests		2
- Aniline	[mg/kg] <100	4.5
- o-Toluidine	[mg/kg] <100	<20
- 2,6-Xylydine	[mg/kg] <100	<20
- 2,6-Xylydine	[mg/kg] <100	<20
- o-Anisidine	[mg/kg] <100	<20
- p-Chloroaniline	[mg/kg] <100	<20
- p-Chloridine	[mg/kg] <100	<20
- 2,4,6-Trinitroaniline	[mg/kg] <100	<20
- 4-Chloro-o-toluidine	[mg/kg] <100	<20
- 2,4-Tolylene-diamine	[mg/kg] <100	<20
- 2,4-Diaminobenzoic acid	[mg/kg] <100	<20
- 2-Naphthylamine	[mg/kg] <100	<20
- 2-Amino-4-nitrotoluene	[mg/kg] <100	<20
- 4-Aminodiphenyl	[mg/kg] <100	<20
- 4,4'-Oxydianiline	[mg/kg] <100	<20
- Benzidine	[mg/kg] <100	<20
- 4,4'-Diaminodiphenylmethane	[mg/kg] <100	<20
- o-Aminoazobenzene	[mg/kg] <100	<20
- 3,3'-Dimethyl-4,4'-diaminodiphenylmethane	[mg/kg] <100	<20
- 3,3'-Dimethylbenzidine	[mg/kg] <100	<20
- 4,4'-Thiodianiline	[mg/kg] <100	<20
- 3,3'-Dichlorobenzidine	[mg/kg] <100	<20
- 4,4'-Methylene-bis-(2-chloroaniline)	[mg/kg] <100	<20
- 3,3'-Dimethylbenzidine	[mg/kg] <100	<20
- 1,4-Phenylenediamine	[mg/kg] <100	<20
- N-Methylaniline	[mg/kg] <20	

JK150 155551.3 / Page 5 of 6

eco passport / oeko-tex

- certificate without remark
- < 100 ppm aniline

test report JK150 155551.3 from 06/12/19

- 6.9 mg/kg aniline



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