



DNV BUSINESS ASSURANCE

FOOD SAFETY SYSTEM CERTIFICATE

Certificate No. 206256-2016-FSMS-IND-RvA

This is to certify that the food safety management system of:

Roha Dyechem Pvt. Ltd.

42 MIDC, Road B, 402 116, Dhatav (Roha), India

Has been assessed and complies with:

FSSC 22000

Certification scheme for food safety systems
including

ISO 22000:2005, ISO/TS 22002-1 and additional FSSC 22000 requirements.

This Certificate is applicable for:

**Manufacture of food colours (synthetic & natural colour and blend of all colours).
Category L**

This certificate is provided on the base of the FSSC 22000 certification scheme, version 3 published 10 April 2013.

The certification system consists of an annual audit of the food safety management systems and
an annual verification of the PRP elements and additional requirements as included in the scheme and the ISO/TS 22002-1

Initial Certification date:

10 September 2013



Date of Certification Decision:

08 September 2016

This Certificate is valid until:

10 September 2019

*The audit has been performed under the
supervision of:*

Mayuresh Apte
Lead Auditor



Place and (re)issue date:

Barendrecht, 09 September 2016

For the issuing office:

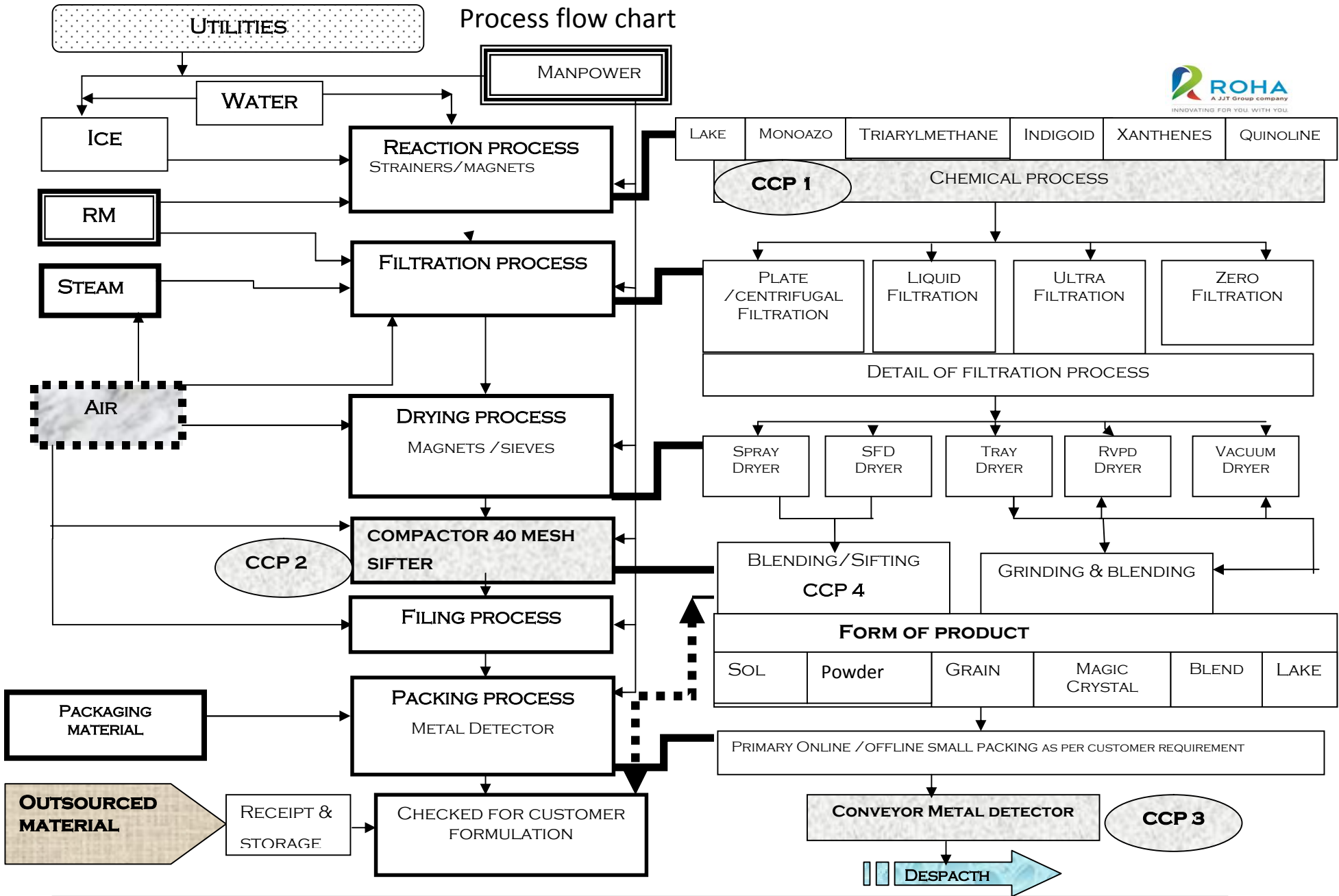
DNV GL BUSINESS ASSURANCE B.V.,
Zwolsseweg 1, 2994 LB Barendrecht, The Netherlands

D.P. Koek
Management Representative

Lack of fulfilment of conditions as set out in the Certification Agreement may render this Certificate invalid.

ACCREDITED UNIT: DNV GL BUSINESS ASSURANCE B.V., Zwolsseweg 1, 2994 LB Barendrecht, The Netherlands - +31 10 292 26 89 - www.dnvba.com

Process flow chart



Issue No : 01	RDC/QPM/ QD- 003-A	Rev No: 03	Page no 1 of 1
Issue date: 04.02.2012	Process flow chart of Food Colour	Rev Date: 23.01.2015	Clause: 7.2.1/7.3.5

Prepared by

Manager Quality

Approved By

Head - QA

Next Assessment On : 2 Years	Roha Dyechem Management Systems Manual	Document No : RDC/QPM/QD – 003.5 D
Issue No :01 Issue Date : 4.02.2012		Rev Date : 04.04.2014 Rev No : 04
Page No. :	ISO : 9001: 2008 FSSC: 22000: 2011	Clause No : --/7.5, 7.6 , 7.6.1 to 7.6.5

Control plan for CCP

(1) Critical Control Point/OPRP	(2) Significant hazards	(3) Critical limits for each preventive measure	MONITORING				(8) Corrective action(s)	(9) Records	(10) Verification
			(4)	(5)	(6)	(7)			
			What	How	Frequency	Who			
CCP-1 <u>Coupling</u>	Chemical Unwanted reactions, impurities, unreacted dye intermediates form subsidiary dyes.	Temp 15 to 25°C Tartrazine pH 6 to 6.5 Sunset Yellow and CS and Allura Red : pH 7 to 8 Chocolate B: pH 8 to 9, Ponceu, carmoisine: pH 8 to 9.5	Temperature & pH of Reaction mass	Visually in calibrated temp indicator, pH meter	Every batch at end of reaction	Operator	Addition of acid/ alkali for pH and ice addition for temperature.	Log sheet , RDC/PRD/QR-003	Subsidiary dyes and dye intermediates analyzed for each batch by HPLC- RDC/QAD/QR-008

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Control plan for CCP

(1) Critical Control Point/OPR P	(2) Significant hazards	(3) Critical limits for each preventive measure	MONITORING				(8) Corrective action(s)	(9) Records	(10) Verification
			(4) What	(5) How	(6) Frequency	(7) Who			
CCP -2 <u>Passing through 40 mesh Sifter</u>	Physical Contamination with damaged gasket pieces, filter clothes, Iron particles and internal contaminants.	Foreign particles over 0.42 mm should retain over 40 mesh screen and not be present in material.	Damaged sieves and integrity of sieve, SOP: RDC/QPM/QI/PRD -007	Visually ,	Every four hours of operation	Supervisor and Operator	Stop the process, replace the damaged sieves, and repass the product through new sieve.	Log Sheet, RDC/PRD/Q R004.3	Water insoluble matter for every batch, RDC/QAD/QR008

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Control plan for CCP

(1) Critical Control Point/OPR P	(2) Significant hazards	(3) Critical limits for each preventive measure	MONITORING				(8) Corrective action(s)	(9) Records	(10) Verification
			(4) What	(5) How	(6) Frequency	(7) Who			
CCP 3 <u>Metal Detection</u>	Physical Metal pieces	No presence of below metals Fe- 3.5 Non Fe- 4.5mm SS – 4 mm	Pass standard test pieces through the metal detector, SOP RDC/QPM/QI/PRD 024	Buzzer operatio n and stopping of conveyor	Every Hour	IPQA and supervisor	Stop the process, repass the entire lot from the previous deviation, If problem with the metal detector then repair and replace the detector, repass the product through repaired detector.	Metal detector log sheet, RDC/PRD/Q R/004.5	Verification by test pieces

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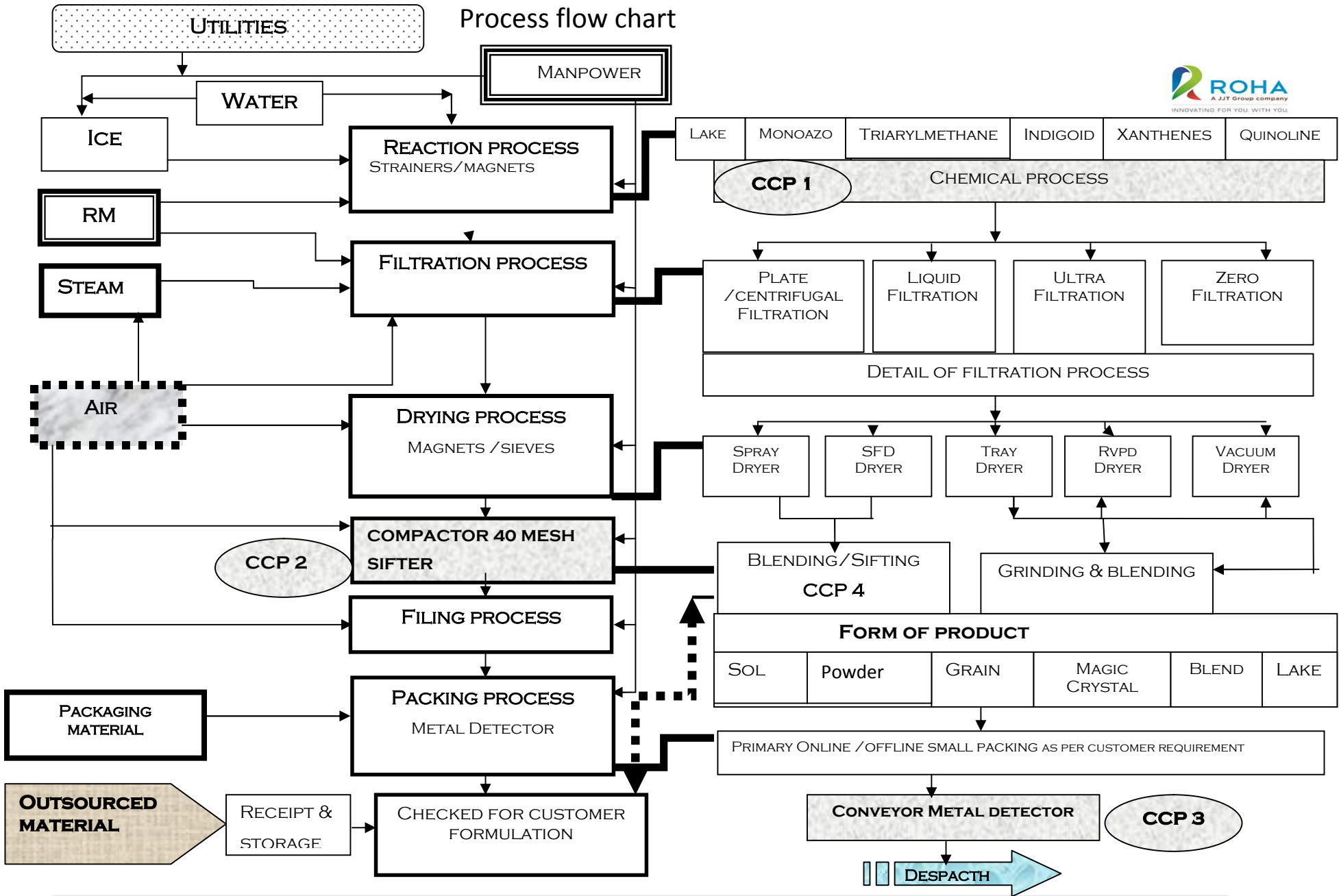
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Control plan for CCP

(1) Critical Control Point/OPR P	(2) Significant hazards	(3) Critical limits for each preventive measure	MONITORING				(8) Corrective action(s)	(9) Records	(10) Verification
			(4)	(5)	(6)	(7)			
			What	How	Frequency	Who			
CCP -4 <u>Passing through 40 mesh Sifter Of spray dryer</u>	Physical Contamination with damaged gasket pieces, filter clothes, Iron particles and internal contaminants.	Foreign particles over 0.42 mm should retain over 40 mesh screen and not be present in material.	Damaged sieves and integrity of sieve, SOP: RDC/QPM/QI/PRD 027	Visually ,	Every four hours of operation	Supervisor and Operator	Stop the process, replace the damaged sieves, and repass the product through new sieve.	Sifter/ Magnet Log Sheet	Water insoluble matter for every batch, RDC/QAD/QR008

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Process flow chart



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