

Quality Control Pack Solution

NaviWorld Quality Control Pack for Business Central

Actions									
General									_
No	QSTD000001			Last Modifie	ed By	TNA			
Туре			Status ····		Certified				
Description	Special QC		Version Nos	L					
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Comment				Sampling Pl	lan · · · · · · · · · · · · · · · · · · ·				
Creation Date	11/13/2019	11/13/2019			Active Version				
Last Date Modified	11/14/2019								
Quality Standard Line	Manage								Ø
Quality G Type Code	roup No.	Test Type	Description		Unit of Measure Code	Min. Value	Max. Value	Spec. Value	
→ Measure : GENERA	L G0001	Option	Packaging C	heck		0.00	0.00		

HIGHLIGHTS

- Tracking Quality Management throughout Supply Chain.
- User Ability to customize quality parameters.
- Simplify Lot management with Quality visibility.
- Product and In-Process Testing.

FEATURES

- Test Device administration.
- Test Properties
- Test Type.
- Test Parameters.
- Process Oriented test.
- Test Orders.
- Test Accuracy Control.
- Generate COA

Globalization and the resulting internalization of markets have forced to companies to adjust the quality of their products and services continuously to the needs of their customers in order to remain competitive.

The Solution **NaviWorld®** Quality Management, built on Business Central, Manages all necessary tests, test devices, and test documentation – during purchase, production and final inspection.

Information about the quality of a product can be made available for all stages of the manufacturing process.

Quality Management and Quality Assurance are the gold standard for distribution and production companies to differentiate themselves in the market by meeting or exceeding customer expectations. If you cannot test and track your product quality from product receipt to production to distribution and then customer acceptance, then it did not happen. **NaviWorld**[®] Quality Management allows you to decide what, when and how you test and document.

NAVIWORLD® QUALITY MANAGEMENT ADD-ON



The well-established testing feature is at the core of NaviWorld®

Quality Management. From incoming goods through manufacturing to shipping - the system follows the complete materials management every step of the way.

NWTHQC	=			
Quality Test Po	osted QC Quality	y Standard List	Quality Indicator	
ACTIONS				
> QC Test Lists	> QC Setup	Posted QC		
Activities				
open - quality te	ST DOCUMENT			
ON PURCHASE	ON SALES	ON OPERATION	ON OUTPUT	ON TRANSFER
4	2	4	2	1
	<u> </u>	→ →	<u> </u>	<u> </u>
POSTED QC				
ALL POSTED QC	PASSED	FAILED	CONCESSION	REJECTED
15	11	2	1	1
	<u> </u>	<u> </u>	<u> </u>	<u> </u>

Test Device Administration

Some specific decisions made for key quality processes require additional access rights setup. Depending on permission rules, the system allows or prevents changes to quality data or access to certain decisions.

QC Localization Extensions Version 15.0.0.0 W1			
Develop by NaviWorld (Thailand) Co. Ltd., Request Support: Email: support@naviworl	ld-asia.com, Tel: 086-316-8161		
General			
Quality control process, the user can control quality of products on each process.	Enable QC on Purchase		
nable QC	Enable QC on Sales		
nable QC on Item Journals · · · · · ·	Enable QC on Transfer Receive		
nable QC on Operation	Enable QC on Transfer Shipme		
nable QC on Output			
Enable QC on Output	QC Test Nos.	QC-TEST	Ý



Test Properties

In Business Central, test properties will initially be used to create master template data to be the basis for the testing course.

Test properties describe the characteristics that will be tested for items or Lot. One or more test properties can be assigned to a test procedure, Expected or accepted ranges are setup for each test properties.

(See Figure:1)

			Ec	dit - Quality C	ontrol Standard - QS1	D-0001				•	
номе ас	TIONS								Quality Cont	rol Tes	
View Celete Manage		lotes Links	Refresh Clea Filte								
QSTD-0001											
General											
No.:	QSTD-000	01			Last Modified By:	NAVIWORLD	NAVIWORLDTH\AKA				
Туре:	Item			~	Status:	Certified			~		
Description:	Final Proc	luct		1	Version Nos.:						
Description2:					Expiration Date Formula						
Search Name:					Specification No.:						
Comment:					Sampling Plan:						
Creation Date:	6/21/2017		-		Active Version:				~		
Last Date Modified:	7/6/2017		-								
Quality Standard	Line									#*	
🗋 New 🏙 Find	Filter 🖔	Clear Filter									
	Quality Group Code	No.	Test Type	Description	Unit of Measure Code	Min. Value	Max. Value	Spec. Value	Mandatory	Di	
Measure S	CREEN	PH	Decimal			0.00	10.00		v	[
	CREEN	BRIGHTNESS	Decimal			2.00	6.00		¥	[
	CREEN	COLOR1	Option		SMELL	0.00	0.00		✓	[
Measure S	CREEN	WHITENSS	Decimal			3.00	5.60			[
										>	

Process Oriented Tests

Whether for an incoming goods test, a final inspection test, or a shipping test, with NaviWorld Quality Management a variety of test plans can be created by automatically or manual as business need.

uality Co	ontrol Test Lis	t -								Type to filter (F	3) No.	
												No
No.	Document Type	Item No.	Lot No.	Document Date	L C	Quantity (Base)	Source ID	Source Ref No.	Qty. QC Passed	Qty. QC Fail	Total Qty. QC	Status
QCT0010	Sales Shipment	TEST39	LOT0025	2/27/2017	G	2.00	SCM/MAY		0.00	0.00	0.00	Open
QCT0011	Sales Shipment	TEST02	LOT0049	3/7/2017	G	1.00	SO/FEB17/		0.00	0.00	0.00	Open
QCT0012		TEST02	LOT0061	3/7/2017	G	120.00	REL0019		0.00	0.00	0.00	Open
QCT0013	Output	TEST02	LOT0061	3/7/2017	G	120.00	REL0019		0.00	0.00	0.00	Open
QCT0015	Sales Shipment	TEST02	LOT0065	3/7/2017	G	120.00	SO/MAR17		0.00	0.00	0.00	Open
QCT0016	Sales Shipment	TEST02	LOT0066	3/7/2017	G	10.00	SO/MAR17		0.00	0.00	0.00	Open
QCT0019	Sales Shipment	TEST02	LOT0065	3/14/2017	G	5.00	SO/MAR17		0.00	0.00	0.00	Open
QCT0022	Output	SFG0001	1	3/16/2017	G	1.00	REL0025		0.00	0.00	0.00	Open
QCT0028	Purchase Receipt	TEST02	LOT0083	3/19/2017	G	1,000.00	P00058		0.00	0.00	0.00	Open
QCT0029	Output	SFG0001	1	3/19/2017	G	1.00	REL0035		0.00	0.00	0.00	Open
QCT0030	Output	FG0001	1	3/19/2017	G	1.00	REL0036		0.00	0.00	0.00	Open
QCT0031	Purchase Receipt	RM0002	2	3/19/2017	G	1.00	P00060		0.00	0.00	0.00	Open
QCT0032	Transfer Receipt	RM0002	3	3/19/2017	G	1.00	T-ORD-0013		0.00	0.00	0.00	Open

Test Procedure

Test Procedure serve to combine the multiple properties and to differentiate between counting and measuring examinations.

Using test procedures, test properties can be combined into organized groups as such Physical Lab test, Microbiology test or General.

New M	Find Filter	The Clear Fi	lter						-	-	
Туре	Quality Group Code	No.	Test Type	Description	Unit of Measure Code	Min. Value	Max Value	Spec. Value	Mandatory	Disp	Active ingr
Measure	CHEMLAB	FTIR	Boolean 🗸	Fourier Transform Infra-Red	NONE	0.00	0.00				
Measure	PHYLAB	MOISTURE	Decimal	Moisture Content	PERCENT	0.00	0.50				
Measure	PHYLAB	LOD	Decimal	Loss on Drying 105C 1hr	PERCENT	0.00	0.50		2		
Measure	PHYLAB	LBD	Decimal	Loose Bulk Density	GM/ML	0.45	0.55		2		
Measure	CHEMLAS	CR	Decimal	Heavy metal_Chromium(Cr)	PPM	0.00	2.00		2		
Measure	PHYLAS	LOI_1075C	Decimal	Loss on Ignition at1075 C	PERCENT	0.00	7.00				

Test Orders

Test Orders are the implementation of the test schedules that have been created from the neutral master data "test device", "test properties" and "test procedures". Test orders capture the results of a test and compare them to predefined nominal values should they exists. (See Figure:2)

1	Edit	- Quality Control Test - QT-00222 - I	0	- • ×
HOME ACTIO	NS			Quality Control Test 🦿
View Edit Delete		💵 🤜 🔛 💌 📉	→ Go to ◀ Previous ⊨ Next	
QT-00222 · 0				
General				^
Nea	QT-00222	Location Code	www	
Document Type:	Purchase Receipt	Vour Reference:		
Evaluation Date	~	User ID:	NAVIWORLDTH\AKA	
Document Date:	8/16/2017	Statusi	Open	~
		Sample QC List:	0	
Document Info				~
Item				~
Quality Test line				-a ^e ^



Lot - Controlling

Tightly manage lot tracking control built within NaviWorld Quality Management, controlled by Lot status "Open", "Pass", "Concession" and "Fail".

Quality Test of product is based on a Lot, where a lot number is triggered to inspect a specific item.

uality Co	ntrol Ent	ries -							Type to	filter (F3)	Posting Date	
												fiters applie
Posting Date	No.	Document Type	Item No.	Lot No.	Quantity (Base)	Source ID	Source Ref No.	Qty. to QC	Qty. QC Passed	Qty. QC Fail	Total Qty. QC	Status
2/17/2017	QCT0001		PTC0001	LOT0042	6.00	T-ORD-0007		6.00	6.00	0.00	6.0	Pass
2/27/2017	QCT0008		FG0001	LOT0055	100.00	SO/FE817/		100.00	100.00	0.00	100.0	Pass
2/27/2017	QCT0006		FG0001	LOT0049	5.00	REL0017		5.00	5.00	0.00	5.0	Pass
3/7/2017	QCT0014	Output	FG0001	LOT0065	120.00	REL0019		120.00	120.00	0.00	120.0	Pass
3/16/2017	QCT0020	Output	SFG0001	17/027	100.00	REL0023		100.00	0.00	0.00	100.0	Concessio
3/16/2017	QCT0021	Output	FG0001	17/027	100.00	REL0024		100.00	100.00	0.00	100.0	Pass
3/16/2017	QCT0023	Output	FG0001	1	1.00	REL0026		1.00	1.00	0.00	1.0	Pass
3/17/2017	QCT0024	Output	SFG0001	17/028	1.00	REL0028		1.00	0.00	0.00	1.0	Concessio
3/17/2017	QCT0025	Output	FG0001	17/028	1.00	REL0029		1.00	1.00	0.00	1.0	Pass
3/17/2017	QCT0026	Output	SFG0001	17/029	2.00	REL0030		2.00	2.00	0.00	2.0	Pass
3/17/2017	QCT0027	Output	FG0001	17/029	2.00	REL0031		2.00	2.00	0.00	2.0	Pass
6/5/2017	QCT0022	Output	SEGODO	1	1.00	REL0025		1.00	0.00	1.00	1.0	Fail

When a test order is performed the results of the inspection are recorded for the test properties. The lot can be accepted as being within tolerance or can be rejected if the inspection finds that the results do not reach the prescribed specification (test plan) for a certain characteristic.

Quality Test Archive Documents

To keep all Quality testing records based upon quality of product.

With the help of archived document, easy to apply vendor rating, track the quality of the product.

osted Q	C Test List									Typette	lifter (FE	Fotog	Date	* +
													No filters	spiles
Posting Date	No.	Document Type	Ren Ma	Lot No.	Guardity (Seld)	lours 0	Qty. Passed	Op. Failed	Telef Dy, QC	Status	Que 10		Unit of Measure Code	1
6/21/2017	Q1-00001	Purchase Receipt	70062	L010001	100.00	106028	100.00	0.00	100,00	Pasi	NAVIWO	LUTH	85	
6/21/2017	Q/1-80001	Furchase Receipt	70062	LORODO	100.00	106028	500.00	0.00	100.00	Pasi	NAMINO	410114	85	
6/21/2017	G8-00002	Porchase Receipt	70062	L070005	400.00	106002	300.00	0.00	400.00	Paul	NAVIWO	4.01%	x6	
6/21/2017	Q1-0882	Porchasis Receipt	70062	L070005	.400.00	106002	300.00	0.00	400.00	Rejected	144/19/0	LOTH_	×5.	
6/21/2017	QT-00003	Sales Shipment	79062	L01005-NE	100.00	1004	90.00	0.00	90.00	Paul	NAVIWO	LOTH-	×6.	
8/21/2017	GT-00004	Purchase Receipt	70063	L07006	200.00	106034	300.00	0.00	200.00	Pass	NAVIWO	hipti-	×0	
6/2%/2017	01-0004	Purchase Receipt	70013	6.070006	306.00	106034	200.00	0.00	205.00	Pesi	NAVIWO	LOTH_	XG	
6/31/2017	Q1-00005	Purchase Receipt	70013	L070007	100,00	106007	90.00	10,00	100.00	Past	NAVIWO	ALDTHS	85	
6/21/2017	Q1-00005	Purchase Receipt.	70063	L079807	300.00	106837	90.00	10.00	100.00	Fail	NAVIWO	LOTH_	X5	
6/21/2017	GT-00006	Porchane Receipt	70063	L01008	100.00	106006	99.00	9.00	100.00	Paul	NWWO	LOTH.	85	
8/21/2017	Q/T-00000	Furchase Receipt	70063	L07000	100.00	106036	90.00	0.00	300.00	Fajected	NAVIWO	LDTH_	KG.	
\$/32/2017	QT-00007	Output	70064	L010000	10.00	101004	10.00	0.00	10.00	Pass	NAVINO	LOTH_	K5	
8/32/2017	Q1-00008	Outjut	70064	L019210	10.00	101005	8.00	0.00	10.00	Pasi	NAVIWO	RLDTH#	85	
6/12/2017	Q1-0008	Output	20064	L010010	10.00	101005	9.00	6.00	10.00	Reacted	NAME	410114	KG.	
6/22/2017	Q7-00009	Output	70065	L070012	10.00	101006	10.00	0.00	10.00	Pass	NAVIWO		KG.	
6/32/2017	Q/1-00009	Output	72063	10/10012	10.00	101006	10.00	8.00	10.00	Pais	NAVIWO	R.01H-	85	
6/22/2017	Q7-00010	Output	70065	1.0190013	10.00	101007	8.00	0.00	10.00	Pett	NAVINO	10114	80	
6/32/2017	01-00010	Ovtent	70065	1070013	10.00	101007	8.00	0.00	10.00	Rejected	NAVEWO	LOTH_	85	

Certificate of Analysis

A certificate of Analysis can be generated after the test is certified. When lot items are shipped, it's possible to print a Certificate of Analysis for that specific LOT Number.

NaviWorld (Thailand) Co., Ltd |

Sriracha Office: 127/21 Sukhumvit Road, Sriracha, Chonburi, 20110 Thailand. Tel: +66-38-327138

Bangkok Office: Asoke Towers 219/34, 10th Floor, Sukhumvit 21 Road., Soi Asoke, North Klongtoey, Wattana, Bangkok10110 | Tel: +66 (0) 2- 258 1701 |

E-mail: info@naviworld-asia.com www.naviworld-asia.com