

# Quality Management System for Nancar NBR Rubber

## A. Quality Policy :

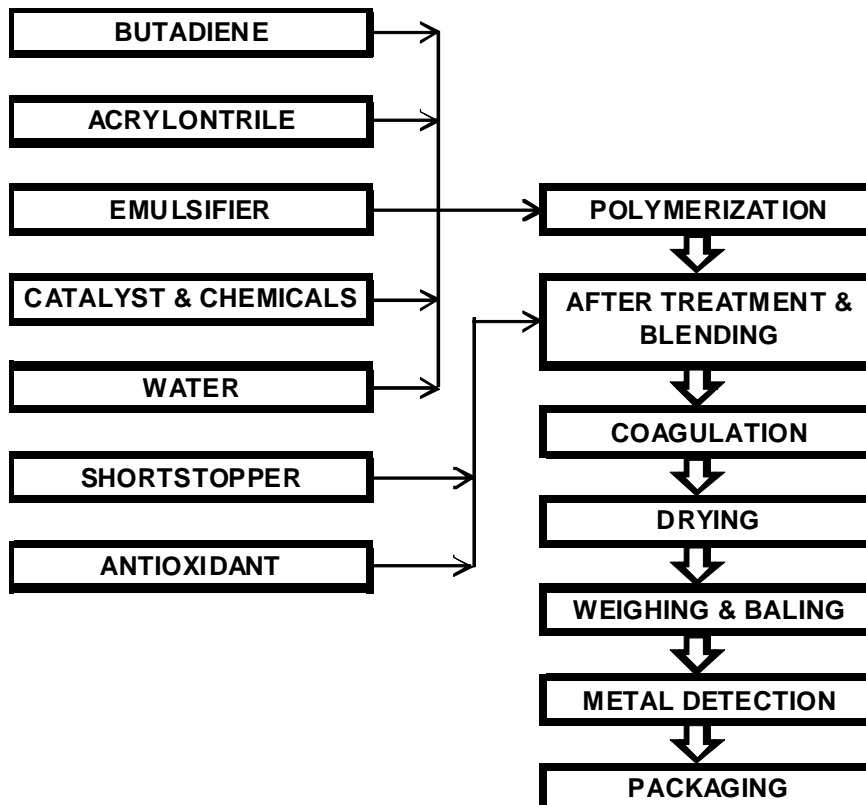
We persistently pursue growth and excellence through systematic operation and continuous creation of value to achieve full customer satisfaction while in accordance with the laws and regulations here and abroad.

## B. Quality Management :

### 1. Quality Management System :

- (1) To minimize inaccuracy, Nantex uses Distributed Control System (DCS) in our production process.
- (2) To ensure quality consistency, we have adopted the Statistical Process Control, SPC and SPSS QI Analyst, statistics software for quality control of NANCAR<sup>®</sup> NBR.
- (3) NANCAR<sup>®</sup> NBR received **ISO 9002** Quality Assurance Certificate in November 1995 and **ISO 14001** Environmental Management System Certificate in February 2003.

### 2. Manufacturing Process Flow Chart :

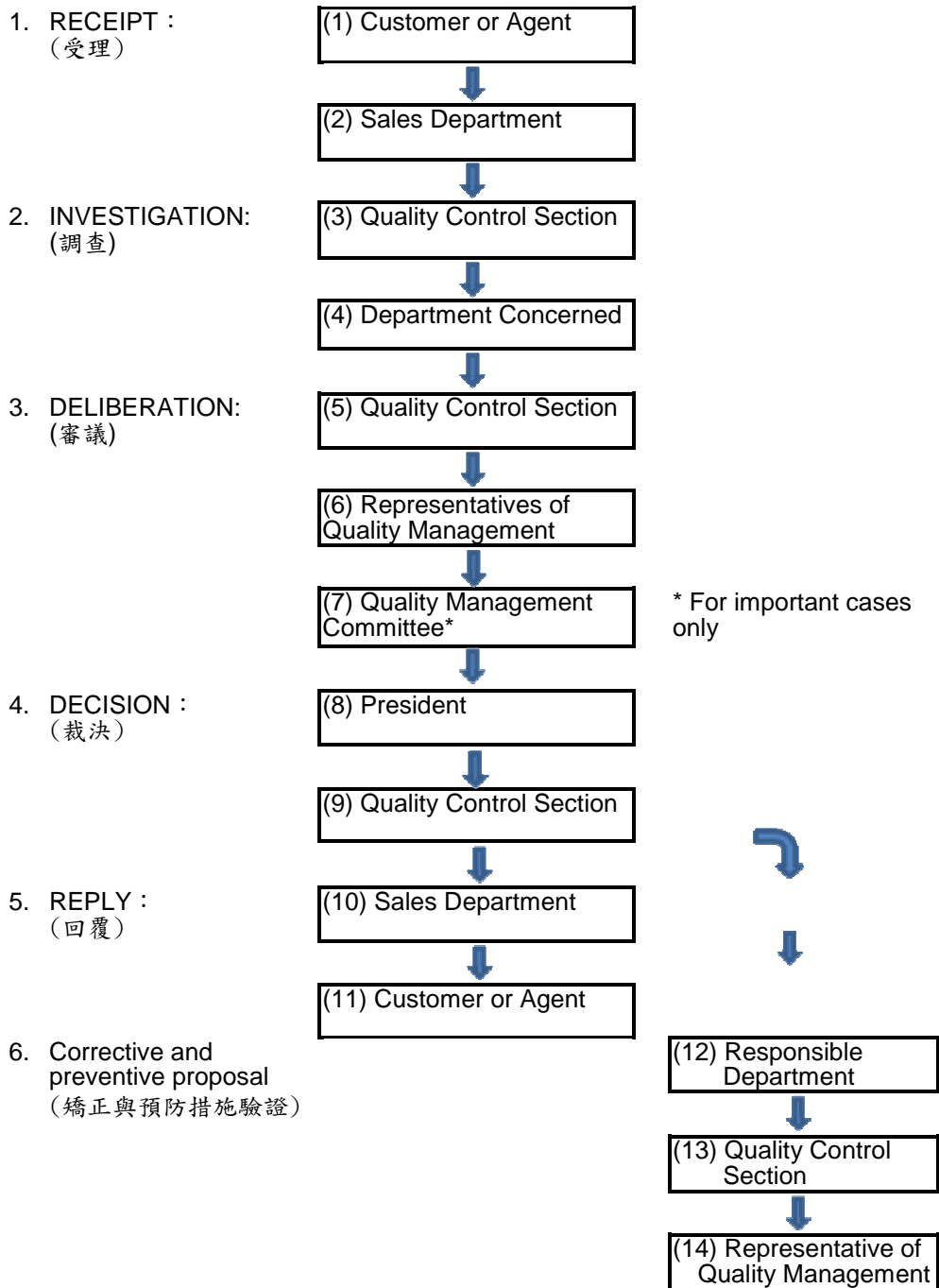


### 3. Quality Control Items

No.	Test Items	Test Method
1	Bound acrylonitrile, %	NANTEX E-001

2	Ash,	%	NANTEX E-005A
3	Heat loss,	%	ASTM D-1416
4	Mooney viscosity, (ML1+4 @100°C)		ASTM D-1646
5	Rheometer Properties,		ASTM D-2084
	Minimum torque, ML	N.M	Micro die, 1° arc @160°C
	Maximum torque, MH	N.M	(ASTM D-3187 Recipe)
	Scorch time, ts1	min.	
	Optimum cure, tc90	min.	

### C. Customer Complaint Flow Diagram





(15) Quality  
Management  
Committee

### C. Packaging

1. Paper Bag: 25 ±0.3kg per bale, wrapped in individually identified PE film, and then further packed in paper bag with PP woven liner.
2. Wood Pallet: 25 ±0.3kg per bale, wrapped in individually identified PE film, 42 bales per pallet, or 1.2MT per pallet.
3. Container: 16 wood pallets or 19.2MT contained in a 20 feet container.

### D. Properties and Storage Precautions

1. Properties :

No.	Properties	Typical Value	Remarks
1.	Solubility in water	Insoluble	
2.	Specific Gravity	0.95 ~ 1.02	
3.	Volatile	< 1%	Mostly water vapor
4.	Appearance	Tan to brown slab	
5.	Odor	Mild odor	

2. Storage Precautions :

- (1). NANCAR NBR should be stored in a cool and dry place away from direct sunlight to maintain optimum quality.
- (2). Latex not used within one year should be tested to determine if property has changed.

3. Fire and Explosion Hazard Data

- (1). Ignition Temperature: 373°C (ASTM D-1929)
- (2). Extinguishing Media: We recommend water. ABC dry chemicals, protein-type air foams to extinguish. NANCAR NBR would be considered "Ordinary combustibles". (NFPA defined Class A)