

DEVELOPMENT
CONSTRUCTION
SPECIFICATION

CQC

**QUALITY CONTROL
REQUIREMENTS**

Amendment Record for this Specification Part

This Specification is Council's edition of the AUS-SPEC generic specification part and includes Council's primary amendments.

Details are provided below outlining the clauses amended from the Council edition of this AUS-SPEC Specification Part. The clause numbering and context of each clause are preserved. New clauses are added towards the rear of the specification part as special requirements clauses. Project specific additional script is shown in the specification as italic font.

The amendment code indicated below is 'A' for additional script 'M' for modification to script and 'O' for omission of script. An additional code 'P' is included when the amendment is project specific.

Amendment Sequence No.	Key Topic addressed in amendment	Clause No.	Amendment Code	Author Initials	Amendment Date
<i>EXAMPLE 1</i>	<i>Provision for acceptance of nonconformance with deduction in Payment</i>	<i>XYZ.00</i>	<i>AP</i>	<i>KP</i>	<i>2/6/97</i>
A	No amendments				16/12/2013

**SPECIFICATION CQC
QUALITY CONTROL REQUIREMENTS**

GENERAL

CQC1 SCOPE

1. This Specification covers the requirements for the quality control testing by the Contractor; including the minimum test frequencies to be employed to demonstrate conformance to the requirements of the technical specifications.

Testing

CQC3 SAMPLING AND TESTING

1. Sampling shall be undertaken in a random and unbiased manner and as approved by the Principal Certifying Authority.

***Sampling
Locations***

2. Sampling and testing shall be carried out by a NATA registered laboratory accredited for those test methods and sampling procedures. Sampling shall be conducted by personnel from the NATA registered laboratory which has been accredited for that sampling procedure and shall be supervised by the approved signatory from that laboratory. Test results shall be reported on NATA endorsed test documentation which shall include a statement by the approved signatory certifying that the correct sampling procedures have been followed.

***Sampling and
Testing***

CQC5 RECORDS

1. Conformance records shall be stored and maintained such that they are readily retrievable and in facilities that provide a suitable environment to minimise deterioration or damage and to prevent loss.

Storage

2. The Contractor shall submit all conformance records to the Principal Certifying Authority for inspection and approval.

***Copies of
Records***

**ANNEXURE CQC-A
TESTING REPORTING AND HOLD POINTS**

Serial	Item/Activity	Hold Point	Inspections / test results to be submitted to the PCA prior to approval to proceed to next activity	Notice Required
Commencement of Works on Site				
1	Site establishment	Pre-Construction Meeting	PCA, Contractor, Developer's Project Manager to attend Pre-Construction meeting on site. The Contractor is to: a. nominate the site supervisor for the project, b. nominate sources and suppliers of all materials, and c. provide written evidence that the Contractor has current Public Liability Insurance and Workers Compensation Insurance with Council nominated as in interested party.	2 days
2	Commencement of earthworks	Soil & Water Management Measures installed Soil & Water Management Measures inspected and approved by the PCA	Field inspection by PCA. (Contractor and Developer's Project Manager to attend)	1 day
Earthworks				
3	Placing fill on roads and/or lots	Stripped areas inspected and approved by PCA	Field inspection by PCA and Geotechnical Engineer	1 day
Road Construction				
4	Subbase	Service Conduit Plan submitted to PCA Subgrade Approved by PCA	Subgrade CBR & Pavement Design Compaction Density Test results Proof Roll (Contractor's site supervisor shall be in attendance) Material grading results	3 days
5	Kerb & Gutter	Subbase Approved by PCA	Compaction Density Test results Proof Roll (Contractor's site supervisor shall be in attendance) Thickness check	2 days
6	Base	Kerb & Gutter Completed Subbase approved by PCA	Compaction Density Test results Proof Roll (Contractor's site supervisor shall be in attendance) Thickness check Material Grading results	2 days
7	Seal	Base Approved by PCA	Compaction Density Test results Proof Roll (Contractor's site supervisor shall be in attendance) Thickness check Benkelman Beam Testing	2 days

Subsoil Drainage				
8	Excavation for subsoil drainage lines	Subsoil drainage plan approved by PCA.		1 day
9	Backfill trench to subgrade level	Bedding and subsoil drainage pipe in trench inspected and approved by PCA	Field inspection Material quality results	1 day
Stormwater Pipelines				
10	Pipe laying	Bedding placed & compacted Manufacturer's certification for pre-cast products	Compaction Density test results for bedding Field inspection by PCA Submit manufacturer's certification for pre-cast products to PCA	1 day
11	Backfill haunch and side zone	Pipes inspected & approved by PCA	Field inspection of uncovered pipes in trench by PCA	1 day
12	Backfill to FSL or subgrade	Backfill to haunch zone approved by PCA	Field inspection by PCA Compaction Density test results for backfill	1 day
Drainage Structures				
13	Place concrete for pits, headwalls or culvert base slabs	Formwork & reinforcement approved by PCA Manufacturer's certification for pre-cast products	Field inspection of formwork & reinforcement by PCA. Submit manufacturer's certification for precast units to PCA	1 day
Overland Flowpaths				
14	Topsoil & turfing	Shape & grade approved by the PCA	Field inspection by PCA	1 day
Accessways				
15	Place subbase course	Subgrade approved by PCA	Proof roll Compaction Density Test results where required by the PCA	1 day
16	Place formwork	Subbase inspected and approved by the PCA	Field inspection by PCA	1 day
17	Place concrete	Formwork & reinforcement inspected and approved by PCA	Field inspection by PCA	1 day
Concrete Footpaths and Cycleways				
18	Placing formwork	Formation boxed out	Field inspection by PCA	1 day
19	Place concrete	Formwork & reinforcement inspected and approved by PCA	Field inspection by PCA	1 day

QUALITY CONTROL REQUIREMENTS

Practical Completion				
20	Practical Completion	Practical completion meeting and inspection	Field inspection by PCA. Contractor & Developer's Project Manager to attend. Work as Executed Plan submitted Deed of Agreement and Bank Guarantees submitted for outstanding minor works	5 days

ANNEXURE CQC-B MINIMUM TEST FREQUENCIES

GENERAL

- The minimum test frequencies are specified in the following tables:

Contents of Annexure CQC-B

Item	Sub-Annexure	Reference Specification	Sub-Annexure Heading
1	B1	C213	Earthworks
2	B2	C220 C221 C222 C223 C224	Stormwater Drainage - Pipe Culverts, Box Culverts, Open Drains, Kerb & Gutter, Drainage Structures
3	B3	C230 C231 C232 C233	Subsurface Drainage
5	B5	C242	Flexible Pavements
6	B6	C244	Sprayed Bituminous Surfacing
7	B7	C245	Asphaltic Concrete
9	B9	C247	Mass Concrete Subbase
10	B10	C248	Plain or Reinforced Concrete Base
12	B12	C254	Segmental Paving
13	B13	C271	Minor Concrete Works
14	B14	C261	Pavement Markings

QUALITY CONTROL REQUIREMENTS

Sub-Annexure B1 EARTHWORKS (Specification C213)

ACTIVITY	KEY QUALITY VERIFICATION REQUIREMENTS	MINIMUM TEST FREQUENCY	TEST METHOD
Floor of Cuttings	Material Quality - CBR	Sufficient tests to assess the material variability with not less than 1 test per 100 lin m or 500 m ² (which ever yields the greater No of tests) AND not less than 1 test in any section of pavement	AS1289.F1.1
	Compaction (Residential, Commercial, Industrial)	1 test per 50 lin m or 250 m ² (which ever yields the greater No of tests) with not less than 2 tests in any section of pavement	AS1289.5.4.1
	Compaction (Rural)	1 test per 100 lin m or 500 m ² (which ever yields the greater No of tests with not less than 2 tests any section of pavement	AS1289.5.4.1
Foundation for Embankments and site filling	Compaction	1 test per 100 lin m or 500 m ² (which ever yields the greater No of tests) per layer with not less than 1 test in any section of pavement	AS1289.5.4.1
Lot Filling	Material Quality Compaction / Moisture Content	Level 1 Geotechnical Control	As required by Geotechnical Engineer
Embankments - General -Select Material Zone (includes subgrade)	Material Quality	Level 1 Geotechnical Control	As required by Geotechnical Engineer
	Compaction/Moisture Content	Level 1 Geotechnical Control	As required by Geotechnical Engineer
	CBR	Sufficient tests to assess the material variability with not less than 1 test per 100 lin m or 500 m ² (which ever yields the greater No of tests) AND not less than 1 test in any section of pavement	AS1289.F1.1
	Compaction/Moisture Content (Residential, Commercial, Industrial)	1 test per 50 lin m or 250 m ² (which ever yields the greater No of tests) per layer with not less than 2 tests per layer in any section of pavement	AS1289.5.1.1, AS1289.5.4.1 AS1289.5.7.1
	Compaction/Moisture Content (Rural)	1 test per 100 lin m or 500 m ² (which ever yields the greater No of tests) per layer with not less than 2 tests per layer in any section of pavement	AS1289.5.1.1, AS1289.5.4.1 AS1289.5.7.1
Fill Adjacent to Structures: Bridges, Retaining Walls and Cast-in-Situ Culverts	Material Quality - Maximum Particle Size - Plasticity Index	1 per 400m ³ * 1 per 400m ³ *	AS1289.3.3.1
	Compaction/Moisture Content	1 per layer	AS1289.5.1.1, AS1289.5.4.1 AS1289.5.7.1

* Note: or part thereof.

Sub-Annexure B2

**STORMWATER DRAINAGE - PIPE CULVERTS, BOX CULVERTS, OPEN DRAINS INCLUDING KERB & GUTTER, DRAINAGE STRUCTURES
(Specifications C220, C221, C222, C223, C224)**

ACTIVITY	KEY QUALITY VERIFICATION REQUIREMENTS	MINIMUM TEST FREQUENCY	TEST METHOD
Supply of Precast Units	Precast Quality	Manufacturer's documentary evidence and certification for each type/size/class per delivery	Manufacturer's Certification. Field Inspection at delivery
Foundations	Compaction Pipe lines Box & Pipe Culverts Arches Headwalls	1 per 50 lin m with not less than one test per section of pipeline 1 per 50 m ² with not less than one test 1 per 50 m ² with not less than one test per abutment 1 per structure	AS1289.5.4.1
Bedding	Material Quality - Particle Size Distribution -Compaction/Moisture Content	1 per 400m ³ * 1 per 50 lin m with not less than one test per section of pipeline	AS1141.11 AS1289.5.7.1, AS1289.5.4.1
Selected Backfill	Material Quality - Maximum Particle Size - Plasticity Index -Compaction/Moisture Content Pipe lines Box & Pipe Culverts Arches	1 per 400m ³ * 1 per 400m ³ * 1 per 2 layers per 50 lin m with not less than one test per 2 layers per section of pipeline 1 per 2 layers per 50 m ² with not less than one test 1 per 2 layers per 50 m ² with not less than one test	AS1289.3.3.1 AS1289.5.7.1, AS1289.5.4.1
Rock Fill for Gabions/ Wire Mattresses	Material Quality: - Particle Size Distribution - Wet Strength - Wet/Dry Strength Variation	1 per project 1 per project 1 per project	AS1141.11 AS1141.22 AS1141.22

* Note: or part thereof, per lot.

Sub-Annexure B3
SUBSURFACE DRAINAGE (Specifications C230, C231, C233)

ACTIVITY	KEY QUALITY VERIFICATION REQUIREMENTS	MINIMUM TEST FREQUENCY	TEST METHOD
Material Supply	Material Quality - Supplier's documentary evidence and certification of: Pipe Filter Material - Grading - Coefficient of Permeability (Type B) - Grading Variation after Treatment (Type B) Geotextile	1 per type/size/project 1 per 400m ³ 1 per 400m ³ 1 per 400m ³ 1 per type/project	 AS1141.11 AS1289.E5.1 ASTM-D2434-68 AS1141.11
Bedding and Backfill of Drainage Blankets	Compaction of - filter material - selected backfill - earth backfill	Level 1 Geotechnical Control	As required by Geotechnical Engineer

* Note: or part thereof, per lot

Sub-Annexure B5
FLEXIBLE PAVEMENTS (Specification C242)

ACTIVITY	KEY QUALITY VERIFICATION REQUIREMENTS	MINIMUM TEST FREQUENCY	TEST METHOD
Base and Subbase Supply	Material Quality - Supplier's documentary evidence and certification		
	- Particle Size Distribution	1 per 1,000t	AS1289.3.6.1
	- Fine Particle Size Distribution Ratio	1 per 1,000t	AS1289.3.6.3
	- Liquid Limit	1 per 1,000t	AS1289.3.1.1
	- Plastic Limit	1 per 1,000t	AS1289.3.3.1
	- Plasticity Index	1 per 1,000t	AS1289.3.3.1
	- Maximum Dry Compressive Strength	1 per 5,000t	T114
	- Particle Shape	1 per 1,000t	AS1141.14
	- Aggregate Wet Strength	1 per 5,000t	AS1141.22
	- Wet/Dry Strength Variation	1 per 5,000t	AS1141.22
	- Modified Texas Triaxial Classification	1 per contract	T171
	- Unconfined Compressive Strength (Modified)	1 per 5,000t	T116
	- Unconfined Compressive Strength (Bound)	1 per mix design	T131
Placement	Geometry	1 Cross Section per 15m 10 per 100 lin m* per lane	Survey 3m Straight Edge
	Deflection Control - Benkelman Beam	maximum spacings of 10 metres (alternating wheel paths) in each lane, with not less than 4 measurements per any one length of road.	T160
	Compaction/Moisture Content (Residential, Commercial, Industrial)	1 test per 50 lin m or 250 m ² (which ever yields the greater No of tests) per layer with not less than 2 tests per layer in any section of pavement	AS1289.5.2.1, T130, AS1289.5.4.1 AS1289.5.8.1
	Compaction/Moisture Content (Rural)	1 test per 100 lin m or 500 m ² (which ever yields the greater No of tests) per layer with not less than 2 tests per layer in any section of pavement	AS1289.5.2.1, T130, AS1289.5.4.1 AS1289.5.8.1

* Note: or part thereof

Sub-Annexure B6
SPRAYED BITUMINOUS SURFACING (Specification C244)

ACTIVITY	KEY QUALITY VERIFICATION REQUIREMENTS	MINIMUM TEST FREQUENCY	TEST METHOD
Materials Supply	Material Quality - Suppliers documentary evidence and certification of: - Class 170 Bitumen - Refinery Cutback Bitumen - Polymer Modified Binder - Bitumen Adhesion Agent - Cutback Oils - Aggregate Precoating Agent - Aggregate	1 per tanker load 1 per tanker load 1 per tanker load 1 per delivery 1 per delivery/tanker 1 per delivery/tanker 1 per 400m ³	AS2758.2
Application Rates	Binder Aggregate	Calculate per spray run Calculate per spray run	

† One per Contract or change in material

* Note: or part thereof

Sub-Annexure B7
ASPHALTIC CONCRETE (Specification C245)

ACTIVITY	KEY QUALITY VERIFICATION REQUIREMENTS	MINIMUM TEST FREQUENCY	TEST METHOD
Materials Supply	<p>Material Quality - Supplier's documentary evidence and certification of:</p> <ul style="list-style-type: none"> - Coarse & Fine Aggregates <ul style="list-style-type: none"> · Grading · Moisture Content · Wet Strength · 10% Fines Wet/Dry · Particle Shape · Fractured Faces · Resistance to Stripping · Polishing Agg Friction Value - Mineral Filler - Class 170/320 Bitumen <ul style="list-style-type: none"> · Viscosity at 60°C · Penetration at 15°C · Viscosity at 135°C · Flash point (°C) · Insoluble matter · Rolling thin film oven test <ul style="list-style-type: none"> (a) Ductility, residue, 15°C (b) Viscosity, residue, 60°C or (c) App. viscosity, residue, 25°C · Thin film oven test (1.6mm) <ul style="list-style-type: none"> (a) Ductility, residue, 25°C · Density at 15°C · Water Content and Foaming at 175°C - Scrap Rubber/C170 Bitumen Mixture <ul style="list-style-type: none"> · Minimum Recovery 	<p>1 per day</p> <p>1 per day</p> <p>)</p> <p>) 1 per</p> <p>) contract</p> <p>) or change in</p> <p>) material</p> <p>)</p> <p>contract or 1 per month's production</p> <p>1 per tanker load</p> <p>1 per contract or change in supplier</p> <p>"</p> <p>"</p> <p>"</p> <p>"</p> <p>"</p> <p>"</p> <p>"</p> <p>"</p> <p>"</p> <p>"</p> <p>"</p> <p>"</p> <p>1 per tanker load</p>	<p>AS1141.11</p> <p>AS1289.2.1.1</p> <p>AS1141.22</p> <p>AS1141.22</p> <p>AS1141.14</p> <p>AS1141.18</p> <p>T230</p> <p>AS1141.41</p> <p></p> <p>AS2341.2</p> <p>AS2341.12</p> <p>AS2008</p> <p>AS2341.14</p> <p>AS2341.8</p> <p>AS2008</p> <p>AS2341.11</p> <p>AS2341.2</p> <p>AS2008,</p> <p>AS2341.5</p> <p>AS2008</p> <p>AS2341.11</p> <p>AS2341.7</p> <p>T501</p> <p></p> <p>T1180</p>
Materials Supply (Cont'd)	<ul style="list-style-type: none"> - Polymer Modified Bitumen <ul style="list-style-type: none"> (i) SBS Modified Bitumens <ul style="list-style-type: none"> · Elasticity Recovery at 60°C · Viscosity on ER at 60°C · Torsional Recovery at 25°C · Viscosity at 135°C · Segregation · Flash Point (°C) · Softening Point (°C) · Ductility 4°C after RTFO · Penetration at 25°C (ii) EVA Modified Bitumens <ul style="list-style-type: none"> · Elasticity Recovery at 45°C · Viscosity by Elastomer at 45°C · Torsional Recovery at 25°C · Softening Point (°C) 	<p>1 per tanker load</p> <p>"</p> <p>1 per grade per contract or change in supplier</p> <p>"</p> <p>"</p> <p>"</p> <p>"</p> <p>"</p> <p>1 per tanker load</p> <p>"</p> <p>1 per grade per contract or</p>	<p>T741</p> <p>T741</p> <p>T739</p> <p>AS2341.3</p> <p>T740</p> <p>AS2341.14</p> <p>AS2341.18</p> <p>AS2341.10,</p> <p>AS2341.11</p> <p>ASTM, D5</p> <p></p> <p>T741</p> <p>T741</p> <p>T739</p> <p>AS2341.18</p>

QUALITY CONTROL REQUIREMENTS

ACTIVITY	KEY QUALITY VERIFICATION REQUIREMENTS	MINIMUM TEST FREQUENCY	TEST METHOD
	<ul style="list-style-type: none"> · Viscosity at 135°C · Ductility 4°C after RTFO · Penetration at 25°C 	change in supplier "	AS2341.3 AS2341.10, AS2341.11 ASTM, D5
	<ul style="list-style-type: none"> - Bitumen Adhesion Agent · Resistance to Stripping 	1 per contract or change in material	T230
	<ul style="list-style-type: none"> - Scrap Rubber · Grading 	1 per contract or change in supplier	
	<ul style="list-style-type: none"> · Shape/Length · Foaming (%) · Moisture Content (%) · Iron Content (%) · Bulk Density (%) 	"	T734
		"	T731
		"	T732
		"	T733
	- Bitumen Emulsion	1 per tanker load/bulk delivery	AS1160
Mix Design	Approval of mix and NATA certification. Supplier's documentary evidence and certification	1 per mix	
Production Mix	Temperature Sampling Moisture Content Grading Binder Content Voids in Compacted Mix Maximum Theoretical Density	1 per truck load 1 per 50t 1 per 100t* 1 per 100t* 1 per 100t* 1 per 100t* 1 per 100t*	Measure AS2150 AS2891.3.1 AS2891.3.1 T601, AS1507, AS1507
Laying	Temperature Levels Surface Quality Relative Compaction/Layer Thickness	1 per truck load 1 cross section per 25m 10 per 200m* lane length 6 cores per lot 10 nuclear density tests per lot	Measure Survey 3m Straight Edge T601

* Note: or part thereof

Sub-Annexure B9

MASS CONCRETE SUBBASE (Specification C247)

ACTIVITY	KEY QUALITY VERIFICATION REQUIREMENTS	MINIMUM TEST FREQUENCY	TEST METHOD
Concrete Supply	Concrete/Air Temperature	1 per 50m ³	Measure
	Air Content	1 per 50m ³	AS1012.4 Method 2
	Consistency - Slump	1 per load	AS1012.3 Method 1
	Compressive Strength (7 day)	1 pair per 50m ³	AS1012.1 AS1012.8 AS1012.9
	Compressive Strength (28 day)	1 pair per 50m ³	AS1012.1 AS1012.8 AS1012.9
Placement	Thickness	5m grid on plan area	Survey and
	Geometry	1 cross section per 15m	Survey and 3m Straight Edge
Curing	Material Quality - Supplier's documentary evidence and certification	1 per production batch	AS3799 AS1160
	Application Rate	1 per 1000m ² *	
Joints	Geometry	All joints	Survey

* Note: or part thereof, per lot

Sub-Annexure B10
PLAIN OR REINFORCED CONCRETE BASE (Specification C248)

ACTIVITY	KEY QUALITY VERIFICATION REQUIREMENTS	MINIMUM TEST FREQUENCY	TEST METHOD
Concrete Supply	Concrete/Air Temperature Air Content Consistency - Slump Compressive Strength (7 day) Compressive Strength (28 day)	1 per 50m ³ 1 per 50m ³ 1 per load 1 pair per 50m ³ 1 pair per 50m ³	Measure AS1012.4 Method 2 AS1012.3 Method 1 AS1012.1 AS1012.8 AS1012.9 AS1012.1 AS1012.8 AS1012.9
Placement	Relative Compaction - Machine Placed - Hand Placed Thickness Geometry	1 per 50m ³ * 2 per 50m ³ 5m grid on plan area 1 cross section per 15m	AS1012.14 AS1012.14 Survey Survey and 3m Straight Edge
Ride Quality	Profile Factor	All lanes	3m Straight Edge
Surface Texture	Texture Depth	2 per 50m ³	T240
Curing	Material Quality - Supplier's documentary evidence and certification Application Rate	1 per production batch 1 per 1000m ² *	AS3799 AS1160
Joints	Sealant Material Quality Supplier's documentary evidence and certification Geometry	1 per prod'n batch All joints	Survey

* Note: or part thereof

Sub-Annexure B12
SEGMENTAL PAVING (Specification C254)

ACTIVITY	KEY QUALITY VERIFICATION REQUIREMENTS	MINIMUM TEST FREQUENCY	TEST METHOD
Materials Supply	Material Quality - Supplier's documentary evidence and certification of: - Concrete Segmental Paving Units - Clay Segmental Paving Units - Bedding Sand · Grading - Joint Filling Sand · Grading - Joint Filler	1 per supplier/project 1 per supplier/project 1 per supplier/project or change in material 1 per supplier/project or change in material 1 per supplier/project	AS1141.11 AS1141.11
Base	Geometry Surface Quality	One cross section per 25m 10 per 200m ² or lot	Survey 3m Straight Edge
Edge Restraints	Refer 'Minor Concrete Works'	1 per 10 lin m	Measure/Survey
Laying Paver Units	Joint Width Geometry Surface Quality	All joints One cross section per 15m 10 per 200m ² or lot	Measure Survey 3m Straight Edge

* Note: or part thereof, per lot

Sub-Annexure B13
MINOR CONCRETE WORKS (Specification C271)

ACTIVITY	KEY QUALITY VERIFICATION REQUIREMENTS	MINIMUM TEST FREQUENCY	TEST METHOD
Subgrade	Compaction	1 per 50 lin m and not less than one test per section	AS1289.5.4.1
Gravel Subbase Construction	Compaction	1 per 50 lin m and not less than one test per section	AS1289.5.4.1
	Subbase Geometry	1 per 25 lin m	3m Straight Edge
Steel Supply	Material Quality - Suppliers documentary evidence and certification	1 per production batch	
Ready-Mixed Concrete Supply	Material Quality - Suppliers documentary evidence and certification	1 per mix type	
	Consistency - Slump	1 per load	AS1012.3 Method 1
	Compressive Strength (7 and 28 day)	2 pairs per 15m ³	AS1012.1, AS1012.8, AS1012.9
Concrete Placement	Finished Levels	1 cross section per 15m	Survey and 3m Straight Edge
Backfilling	Material Quality		
	- Maximum particle size	1 per 200m ³	T106
	- Plasticity Index	1 per 200m ³	AS1289.3.3.1
	Compaction	1 per 200m ²	AS1289.5.4.1
Sprayed Concrete	Compressive Strength Cores	2 per 15m ³	AS1012.4, AS1012.9 AS1012.14
	Curing Material Quality - Supplier's documentary evidence and certification	1 per production batch	

* Note: or part thereof

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QUALITY CONTROL REQUIREMENTS**

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