

QINGJIANG HEIJIANG N. 100

**CHECKED vs AUTHORIZATION**  
**THECOPS**

RECEIVED  
26 JUN 2013

from Emission Point A8 for the p

Substance / Parameter		Emission Limit Level		First 6 Months		Second 6 Months		Test Method <sup>2</sup>		Sample Date & Times <sup>(3)</sup>		Accreditation/ Certification <sup>(4)</sup>		Uncertainty <sup>(5)</sup>	
Hydrogen Fluoride		1mg/m <sup>3</sup> over minimum 1 hour period		<0.022 mg/Nm <sup>3</sup>				ISO 15713		26/03/13 09:15-11:15		MCERTS		37	
Cadmium & thallium and their compounds (total)		0.05mg/m <sup>3</sup> over minimum 30 min, max 8 hr period		0.00037 mg/Nm <sup>3</sup>				BS EN 14385		19/03/13 08:45-14:40		MCERTS		21	
Mercury and its compounds		0.05mg/m <sup>3</sup> over minimum 30 min, max 8 hr period		0.040 mg/Nm <sup>3</sup>				BS EN 13211		25/03/13 15:49-19:55		MCERTS		15	
Sb, As, Pb, Cr, Co, Cu, Mn, Ni, and V and their compounds (total)		0.5mg/m <sup>3</sup> over minimum 30 min, max 8 hr period		0.0081 mg/Nm <sup>3</sup>				BS EN 14385		19/03/13 08:45-14:40		MCERTS		11	
Dioxins / Furans (I-TEQ) <sup>5</sup>		0.1ng/m <sup>3</sup> over minimum 6hr, max 8 hr period		0.015 to 0.015 ng/Nm <sup>3</sup>				BS EN 1948		14/03/13 09:33-15:39		MCERTS		12	
Dioxins / Furans (WHO – TEQ Humans/ Mammals) <sup>6</sup>		No Limit		0.013 to 0.014 ng/Nm <sup>3</sup>				BS EN 1948		14/03/13 09:33-15:39		MCERTS		12	
Dioxins / Furans (WHO – TEQ Fish) <sup>6</sup>		No Limit		0.015 to 0.016 ng/Nm <sup>3</sup>				BS EN 1948		14/03/13 09:33-15:39		MCERTS		12	
Dioxins / Furans (WHO – TEQ Birds) <sup>6</sup>		No Limit		0.029 to 0.030 ng/Nm <sup>3</sup>				BS EN 1948		14/03/13 09:33-15:39		MCERTS		12	
Dioxin – like PCBs (WHO – TEQ Fish) <sup>6</sup>		No Limit		0.00006 to 0.00006 ng/Nm <sup>3</sup>				BS EN 1948		14/03/13 09:33-15:39		MCERTS		18	
Dioxin – like PCBs (WHO – TEQ Birds) <sup>6</sup>		No Limit		0.0041 to 0.0041 ng/Nm <sup>3</sup>				BS EN 1948		14/03/13 09:33-15:39		MCERTS		18	
Poly-cyclic aromatic hydrocarbons Total		No Limit		0.103 mg/Nm <sup>3</sup>				BS 1SO 11338-1		14/03/13 09:33-15:39		MCERTS		49	
Anthanthrene		No Limit		<0.051094 mg/Nm <sup>3</sup>				BS 1SO 11338-1		14/03/13 09:33-15:39		MCERTS		49	
Benzo(a)anthracene		No Limit		<0.000066 mg/Nm <sup>3</sup>				BS 1SO 11338-1		14/03/13 09:33-15:39		MCERTS		49	
Benzo(b)fluoranthene		No Limit		<0.000066 mg/Nm <sup>3</sup>				BS 1SO 11338-1		14/03/13 09:33-15:39		MCERTS		49	

Substance / Parameter	Emission Limit Level	Result <sup>(1)</sup>		Test Method <sup>(2)</sup>	Sample Date & Times <sup>(3)</sup>	Accreditation/ Certification <sup>(4)</sup>	Uncertainty <sup>(5)</sup>
		First 6 Months	Second 6 Months				
Benzo(k)fluoranthene	No Limit	<0.000066 mg/Nm <sup>3</sup>		BS 1SO 11338-1	14/03/13 09:33-15:39	MCERTS	49
Benzo(b)naph(2,1-d)thiophene	No Limit	<0.000066 mg/Nm <sup>3</sup>		BS 1SO 11338-1	14/03/13 09:33-15:39	MCERTS	49
Benzo(c)phenanthrene	No Limit	<0.000066 mg/Nm <sup>3</sup>		BS 1SO 11338-1	14/03/13 09:33-15:39	MCERTS	49
Benzo(ghi)perylene	No Limit	<0.000066 mg/Nm <sup>3</sup>		BS 1SO 11338-1	14/03/13 09:33-15:39	MCERTS	49
Benzo(a)pyrene	No Limit	<0.000066 mg/Nm <sup>3</sup>		BS 1SO 11338-1	14/03/13 09:33-15:39	MCERTS	49
Cholanthrene	No Limit	<0.000066 mg/Nm <sup>3</sup>		BS 1SO 11338-1	14/03/13 09:33-15:39	MCERTS	49
Chrysene	No Limit	<0.000066 mg/Nm <sup>3</sup>		BS 1SO 11338-1	14/03/13 09:33-15:39	MCERTS	49
Cyclopenta(c,d)pyrene	No Limit	<0.000066 mg/Nm <sup>3</sup>		BS 1SO 11338-1	14/03/13 09:33-15:39	MCERTS	49
Dibenzo(a,h)anthracene	No Limit	<0.000066 mg/Nm <sup>3</sup>		BS 1SO 11338-1	14/03/13 09:33-15:39	MCERTS	49
Dibenzo(a,i)pyrene	No Limit	<0.000066 mg/Nm <sup>3</sup>		BS 1SO 11338-1	14/03/13 09:33-15:39	MCERTS	49
Fluoranthene	No Limit	<0.000066 mg/Nm <sup>3</sup>		BS 1SO 11338-1	14/03/13 09:33-15:39	MCERTS	49
Indo(1,2,3-cd)pyrene	No Limit	<0.000066 mg/Nm <sup>3</sup>		BS 1SO 11338-1	14/03/13 09:33-15:39	MCERTS	49
Naphthalene	No Limit	0.051 mg/Nm <sup>3</sup>		BS 1SO 11338-1	14/03/13 09:33-15:39	MCERTS	49
Zinc and its compounds	No Limit	0.0089 mg/Nm <sup>3</sup>		BS EN 14385	19/03/13 08:45-14:40	MCERTS	11
Benzene	No Limit	1.6 / 1.9 mg/Nm <sup>3</sup>		BS EN 13649	14/03/13 13:40- 14:40/14:50- 15:50	MCERTS	19
1,3-butadiene	No Limit	0.46 / 0.69 mg/Nm <sup>3</sup>		BS EN 13649	22/03/13 15:42- 15:52/15:55- 16:05	MCERTS	16

- The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reported period, expressed in the same terms as the emission limit value. Where the emission limit is expressed as a range, the result given as the minimum – maximum' measured values.
- Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with the agency is used then the appropriate identifier is given. In other cases the principal technique is stated e.g. gas chromatography
- For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.
- The accreditation status of the equipment and/or the monitoring organisation, as appropriate, for the methods used for both sampling and analysis.

5. The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.
6. The result to be reported as a range based on: All congeners less than the detection limit assumed to be zero as a minimum, and all congeners less than the detection limit assumed to be at the detection limit as a maximum.

Signed                      N Sharpe

Date   26 July 2013

Quality and Environment Manager - North  
(Authorised to sign as representative of Castle Cement Ltd)

