

Test Certificate

Epoxy Group
 Concrete Reinforcing Steel
 Institute
 933 N. Plum Grove Road
 Schaumburg, IL
 60173
 Attn: David McDonald

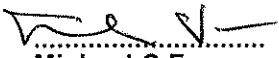
REF No T 902337 : Issue 1
 Ord No CREDIT CARD
 Date Tested 03/12/09
 Date Printed 03/20/09
 Date Received 03/10/09

Item - CHEMICAL AND MICROSTRUCTURAL ANALYSIS, ONE REBAR SAMPLE
 ID# MMFX

Specification - NA

Chemical Analysis													Comments
	C [%]	Mn [%]	P [%]	S [%]	Si [%]	Ni [%]	Cr [%]	Mo [%]	Cu [%]	V [%]			
001:	.10	.66	.006	.020	.12	.10	9.75	.02	.20	<.05		None	
Analysis by ICP, OES, Combustion and/or Gravimetric Methods. Details available upon request.													

Micro Examination - ASTM E 3			
	Position	Details	Comments
002:Microstructural Exam	TRANSVERSE	GENERAL STRUCTURE	Tempered martensitic matrix
003:Microstructural Exam	LONGITUDINAL	GENERAL STRUCTURE	Tempered martensitic matrix



Michael C Fec
 Section Manager/Metallurgist
 For and on behalf of
 Bodycote Testing Group

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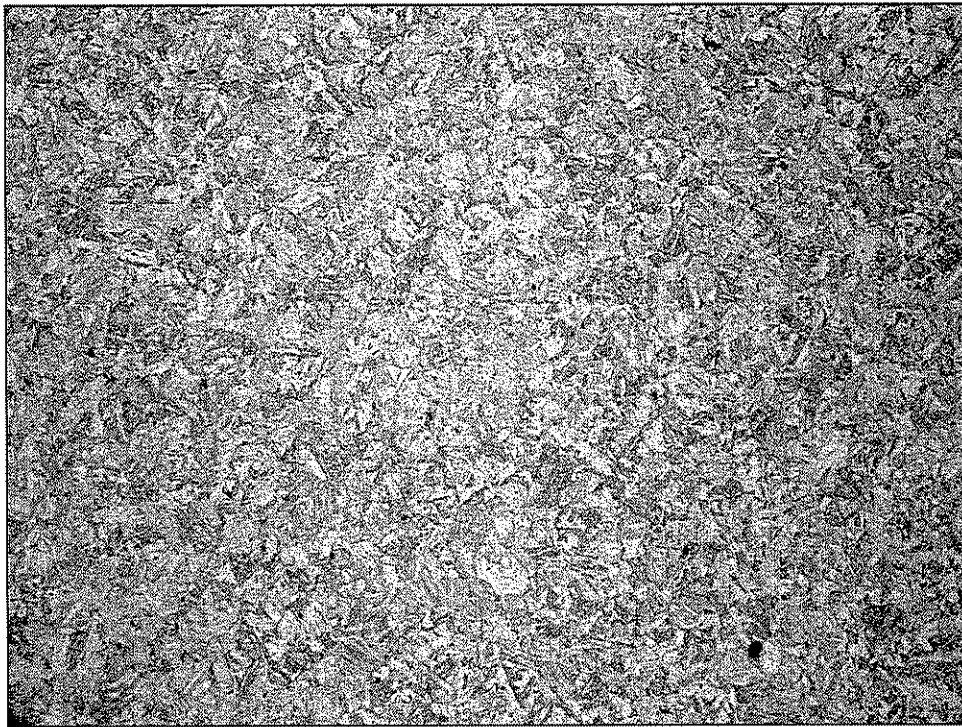
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Photographs - In House Procedure

	Location	Position	Magnification	
004:Micro Section	TRANS	N/A	x200	



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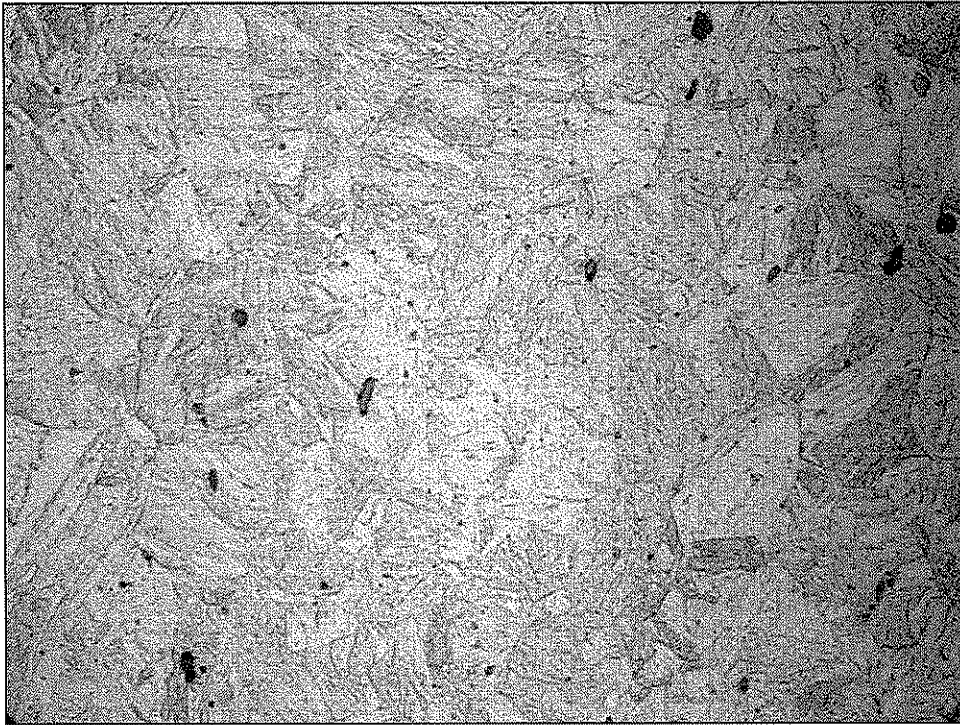
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Photographs - In House Procedure

	Location	Position	Magnification	
005:Micro Section	TRANS	N/A	x1000	



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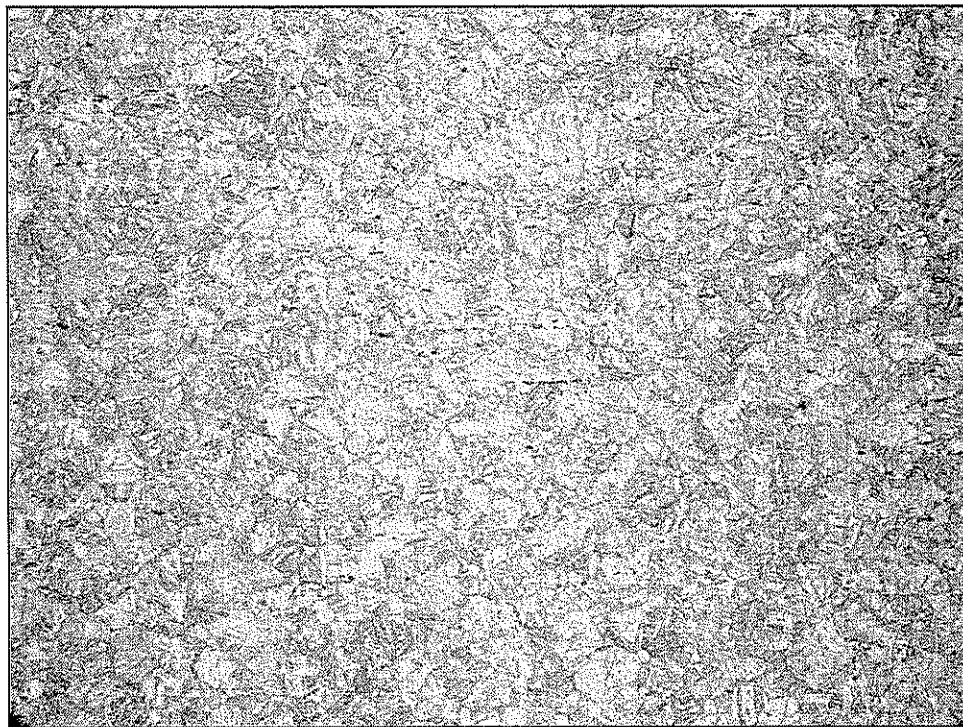
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006:Micro Section	LONG	N/A	x200	



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Information regarding estimate of measurement uncertainty (where appropriate) available upon request.

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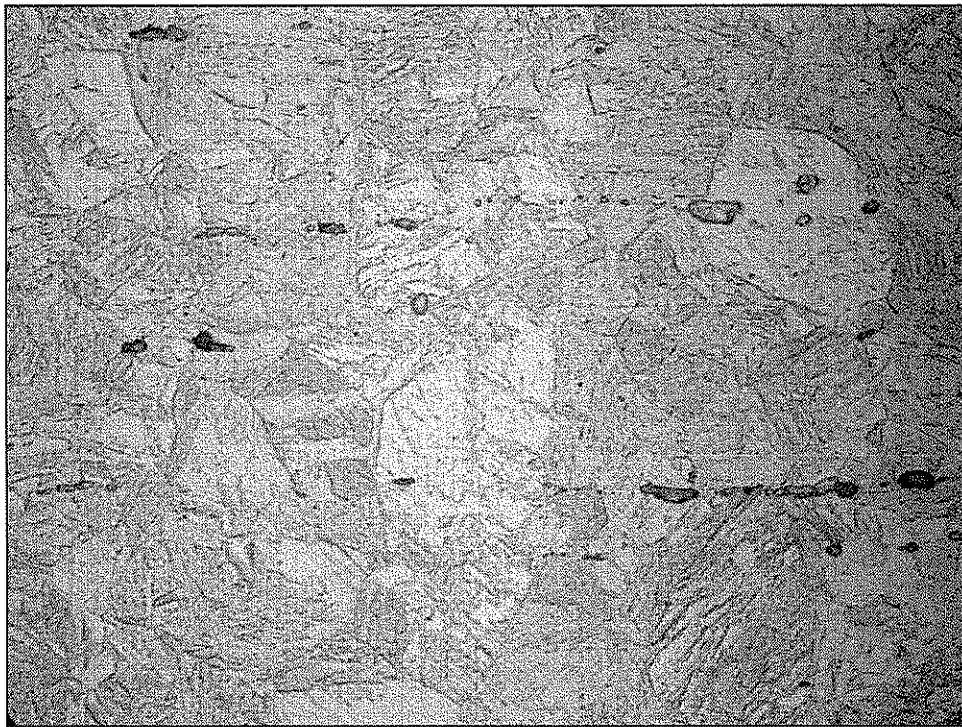
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