

### CERTIFICATE OF ANALYSIS

PRODUCT NAME : CARAMEL LIQUID E150D DOUBLE STRENGTH (COLOURANT BROWN LIQUID)		
BATCH NO : MDC/211/20-21	MFG. DATE : JUNE - 2020	
QUANTITY : 3000 KGS	EXPIRY. DATE : MAY - 2022	
INVOICE NO.: MDC/109/20-21	PO DATE. : 17.06.2020	
DATE : 08.07.2020		
TEST DESCRIPTION	LIMIT SPECIFIED	ACTUAL OBSERVATION
SOLUBILITY	MISCIBLE WITH WATER IN ALL PROPORTIONS	COMPLETELY SOLUBLE WITH NO SEDIMENTATION
IDENTIFICATION OF COLOURING MATTER	PASSES TEST	PASSES TEST
CLASSIFICATION	TYPE IV	TYPE IV
SOLID CONTENTS	40-75% AT 20°C	54.8% AT 20°C SPECIFIC GRAVITY 1.275 AT 30°C
COLOUR INTENSITY OF 0.1 % W/W @610NM. (ON 1.5NM BANDWIDTH)	0.10-0.60	0.267
TOTAL NITROGEN	0.5-7.5%	3.6 % ON EQUIVALENT COLOUR BASIS
TOTAL SULFUR	1.4-10.00%	5.15%
SULFUR DIOXIDE	MAX.0.5%	LESS THAN 0.1%
AMMONIACAL NITROGEN	MAX.0.5%	LESS THAN 0.05 % ON EQUIVALENT COLOUR BASIS
4-METHYL IMMIDAZOLE	MAX.1000 MG / KG	LESS THAN 200 PPM ON EQUIVALENT COLOUR BASIS
4-THI	NOT SPECIFIED	NOT TESTED
ARSENIC	Less Than 1.0 mg /kg	TESTED BY COMPARISON TEST FOUND LESS THAN 0.5 PPM
LEAD	Less than 2 mg /kg	LESS THAN 1.0 PPM
PH	3.00 ± 0.5 at 20°C	3.45 AT 27°C
ACID STABILITY TEST AS PER B.P.C.	NO PPT AFTER 24 HR.S	NO PPT AFTER 24 HOURS
NEUTRAL TANNIN TEST AS PER U.S.P.	NO PPT AFTER 24 HR.S	NO PPT AFTER 24 HOURS
RESINIFICATION POINT	NOT LESS THAN 40 HOURS	MORE THAN 50 HOURS
TASTE OF 2% SOLUTION	SHOULD BE NEUTRAL	NO TASTE- NEUTRAL
VISCOSITY	LESS THAN 200 CPS	LESS THAN 100 CPS

  
PREPARED BY



EXAMINED BY



  
APPROVED BY