

# MAGNESIUM

Spectrophotometric  
CALMAGITE

The application parameters comprised here constitute a guide to facilitate the validation of our reagents by the instrument. It is advisable to validate the use when there is any change in software or reagent versions.

## Instrument: MONARCH

### Reagent preparation

Reagent is ready to be used.

### Instrument settings

<b>Identification parameters</b>		<b>Data acquisition parameters</b>	
Test code	...	Analysis type	MIX
Test name	MAGNESIUM		RUN
Test mnemonic	MG	Temperature	37°C
Optical mode	ABSORBANCE	Delay time	25 sec
Response algorithm	FINAL-INITIAL	Interval time	45 sec
Result algorithm	LINEAR	N° of data pts.	2
<b>Loading parameters</b>		Filter 1	690 nm
Loading type	LOAD	Filter 2	520 nm
	ANALYZE	Monochromator 1	690 nm
Reagent blank	ON	Monochromator 2	520 nm
Reference type	DILUENT	Compatibility	10
Calibrator type	MULTI-COMPONENT (...)	<b>Data integrity parameters</b>	
Sample volume	3 µL	Integrity tests	SLOPE
Sample diluent	37 µL		NORMAL RANGE
Reagent diluent	10 µL		MINIMUM ABS/INT
1 <sup>st</sup> reagent (R1)	200 µL		MAXIMUM ABS/INT
2 <sup>nd</sup> reagent (R2)	0 µL	<b>Integrity parameters</b>	
1 <sup>st</sup> reagent bar code	...	Slope	POSITIVE
2 <sup>nd</sup> reagent bar code	...	Lower limit	1.8 mg/dL
		Upper limit	2.1 mg/dL
<b>Data fit parameters</b>		Minimum abs/int	0.0
Calibrator	...	Maximum abs/int	0.1
Correction mode	NONE	... To be introduced by the operator	
Units	Mg/dL		
N° of dec. Places	2		