

**TOTAL ADDITIFS ET CARBURANTS SPECIAUX**

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TOTAL Excellium Rally
(Official FIA WRC fuel 2019-2020-2021)
Certificate of Analysis - Batch. PCH110174G

Date : 20/11/2018

PROPERTIES	UNITS	TEST METHODS	RESULTS	FIA Appendix J SPECIFICATIONS
Density at 15°C	kg/m ³	EN ISO 12185	745,6	720,0 - 785,0
DVPE	kPa	EN 13016-1	56	< 80
Distillation		EN ISO 3405		
E70 °C	%v/v		42,1	20,0 - 52,0
E100 °C	%v/v		71,0	46,0 - 72,0
E150 °C	%v/v		> 95,0	> 75,0
FBP	°C		123	< 210
Residue	%v/v		0,9	< 2,0
RON		EN ISO 5164	101,7	95,0 - 102,0
MON		EN ISO 5163	88,4	85,0 - 90,0
Aromatics content	%v/v	EN ISO 22854	< 35,0	< 35,0
Olefins content	%v/v	EN ISO 22854	< 18,0	< 18,0
Total di-olefins content	%m/m		< 1,0	< 1,0
Benzene content	%v/v	EN ISO 22854	< 1,0	< 1,0
Oxygen content	%m/m	EN ISO 22854	3,5	< 3,7
Lead content	mg/L	EN 237	< 5	< 5
Sulfur content	mg/kg	EN ISO 20846	< 10,0	< 10,0
Oxidation stability	min	EN ISO 7536	> 360	> 360