

Pursuant to the authority vested in California Air Resources Board by Health and Safety Code (HSC), Division 26, Part 5, Chapter 2; and pursuant to the authority vested in the undersigned by HSC Sections 39515 and 39516 and Executive Order G-19-095;

IT IS ORDERED AND RESOLVED: That the following exhaust and evaporative emission control systems produced by the manufacturer are certified as described below. Production vehicles shall be in all material respects the same as those for which certification is granted.

						TEST GRO	UP IN	FOR	MATION	######################################				
MOD								FUEL CATEGORY			FUEL TYPE			
2021 MHYXV02.0E13					PC I				ELECTRIC HICLE		GASOLINE			
USEFUL LIFE (miles)					VEHICLE EMISSION CATEGORY				GORY	INTERIM / IN	TER	ERMEDIATE IN-USE STD		
EXH/ORVR EVAP					FTP				SFTP FTP			SFTP		
150000 150000					LEV3	SULEV30 LEV 3 COMPC			MPOSITE	*		PM		
SPECIAL FEATURES & EXHAUST EMISSION CONTR SYSTEMS							L		OBD S	BD STATUS		ENGINE DISPLACEMENT (L)		
1	DFI,	WR-	-HO2S, HO2	S, WU	-TWC, TW	C, EGR, EG	RC		FULL	ALL MODELS		· · · · · · · · · · · · · · · · · · ·		
*		*							ARTIAL	*		2.0		
*	* * PARTIAL W FINES									*				
			E	VAPO	RATIVE &	REFUELING	(EVA	P/OR	VR) FAMIL	INFORMATION	I			
EV	EVAP / ORVR FAMILY EVAPORATIVE STD CATEGOR							,	EVAP EMISSION STD VEHICLE CLASS			SPECIAL FEATURES		
MHYXR0118E1G LEV 3 OPTION2								E	c	HCT				
					E	EMISSION CI	REDIT	INFC	ORMATION					
NMOG+NOX FLEET AVE. CREDIT FOR EXTENDED WARRANTY							ON-P	ZEV	NMOG CREDIT FOR DOP			OPTIONAL EXH. STD FOR WORK TRUCKS		
N N									N N					
					NMOG	AND FLEET	AVE	RAG	E INFORMA	ΓΙΟΝ				
NMOO	INMOG/NMHC PC+LUI 10-3/3					0-375					NMOG+NOX FLEET STD MDV (10,001-14,000 GVWR) (g/mi)			
*	*		1.10		*	0	.058			0.065		*		

See the Attachment for Vehicle Models, Evaporative Family, Engine Displacement, Emission Control Systems, Phase-In Standards, OBD Compliance, Emission Standards and Certification Levels, and Abbreviations. (As applicable, heavy-duty vehicles (HDV) over 14,000 pounds in GVWR listed in this Executive Order are certified to the requirements in 13 CCR Section 1961.2 applicable to MDV pursuant to 13 CCR Section 1956.8(c)(3) or 13 CCR Section 1956.8(h)(5), as applicable.)



## BE IT FURTHER RESOLVED:

The exhaust and evaporative emission standards and the certification emission levels for the listed vehicles are as listed on the Attachment. Compliance with the 50° Fahrenheit testing requirement may have been met based on the manufacturer's submitted compliance plan in lieu of testing. Any debit in the manufacturer's fleet average compliance requirement for NMOG+NOx or Vehicle Equivalent Credit (13 CCR Sections 1961.2(b)(1), 1961.2(b)(3), or 1961.2(c) (3), and the incorporated test procedures, as applicable), or Greenhouse Gas Emissions (13 CCR Section 1961.3, or 17 CCR Section 95663, and the incorporated test procedures, as applicable), for PC, LDT, MDPV or MDV shall be equalized as required.

## BE IT FURTHER RESOLVED:

For the listed vehicle models, the manufacturer has attested to compliance with Title 13, California Code of Regulations, (13 CCR) Sections 1965 [emission control labels], 1968.2 [on-board diagnostic, full or partial compliance], 2035 et seq. [emission control warranty], 2235 [fuel tank fill pipes and openings] (gasoline and alcohol fueled vehicles only), and "High-Altitude Requirements" and "Inspection and Maintenance Emission Standards" (California 2015 and Subsequent Model Criteria Pollutant Exhaust Emission Standards and Test Procedures and 2017 and Subsequent Model Greenhouse Gas Exhaust Emission Standards and Test Procedures for PC, LDT and MDV).

Vehicles certified under this Executive Order shall conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this Executive Order.

Executed on this 13th day of July 2020.

Allen Mons, Chief Emissions Certification and Compliance Division



FUEL TYPE

HYUNDAI MOTOR COMPANY Executive Order: A-254-0460 New Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles Page 3 of 4

<b>ATTACHM</b>	ENT
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## EXHAUST AND EVAPORATIVE EMISSION STANDARDS AND CERTIFICATION LEVELS EXHAUST EMISSION STANDARDS AND CERTIFICATION LEVELS (FTP, HWFET, 50°F, 20°F)

CH4: methane; NMOG: non-CH4 organic gas; HC: hydrocarbon; NMHC: non-CH4 HC; CO: carbon monoxide; NOx: oxides of nitrogen; HCHO: formaldehyde; PM: particulate matter; RAF: reactivity adjustment factor; 2DHS/3DHS [g HC/test]: 2/3 days diurnal+hot-soak; RL [g HC/mi]: running loss; ORVR [g HC/gallon dispensed]: on-board refueling vapor recovery; g: gram; mg: milligram; mi: mile; K: 1000 miles; F: degrees Fahrenheit; FTP: federal test procedure; SFTP: supplemental FTP

				NMOG+NOx (g/mi)				CO (g/mi)		NOx (g/mi)			HCH mg/r			PM (g/mi)			
				CERT	r	STD	CER	T ST	D	CERT	STD	CER	T	STD	CE	RT	STD		
FTP@5	OK	*	*			*	*	1	•	*	*	*	*			k	*		
FTP@L	FTP@UL GASOI			0.01	0 0	0.030	0.1	1.	0	*	*	*		4		001	0.003		
50°F @	50°F @4K GASC			1 0 020		.060	0.4	1 1.	0	*	*	*		8					
				FUEL TYPE							NMOG+NOx (g/mi)				CO (g/mi)				
		L								CERT		STD	STD		CERT		STD		
HWFE	T @ 50K					*					*		*						
HWFE	T@UL			GAS	SOLIN	E-TII	ER3 E10	R3 E10			0.004		0.030						
20°F	@ 50K	co	DLD CC	E10	REGU	LAR	GASOLIN	SOLINE (TIER3)					0.		3 10.		10.0		
			S	FTP E	XHAL	IST EI	VISSION	STAND	ARDS	AND	CERTIFIC	ATION LE	VEL	.S					
				1			US06	JS06			SC03		0		OMPOSITE				
	FUEL TY		YPE		MOG+NOx (g/mi)		CO (g/mi)			NMOG+NOx (g/mi)		CO (g/mi)		NMOG+NOx (g/mi)		CO J/mi)	PM (mg/mi)		
@ 4K	*		CERT		*		*				*	*							
			STD		*		*				*	*							
		CEF SASOLINE- SIER3 E10 BI		*			*		0		*	*	C	0.009		).2	*		
@ UL				*		*	* 6			*	*	0	0.077		1.2	*			
														0.030					
		WH	OLE V	EHICL	E EV	APOR	ATIVE E	MISSIO	N STA	NDAR	DS AND C	ERTIFIC/	ATIO	N LEVE	LS				
						N	HOLE \	VEHICLE	EVAF	PORAT	IVE TEST	ING							
	EVAPORATIVE FAMILY		IVE FUEL TYPE		PE 3DHS (g/test) @					2DH	IS (g/test)	@ UL		RL (g/		/mi) @ UL			
						CER	CERT S		TD FEL		RT	STD	FEL	FEL		CERT		STD	
MHYXR0118E1G		C	ASOLI LEV3 I	10 774		24 (	0.300	*	0.1	182	0.300	*		0.00		0.05			
C	DRVR / F	UEL (	ONLY /	CAN	STER	BLEE	D EVAP	ORATIV	EEMI	SSION	STANDA	RDS AND	CEF	RTIFICA	TION	LEVE	LS		
									F	UEL O	NLY EVA	P & CANI	STEP	RBLEE					
EVAPORATIVE FAMILY		E	ORVR	g/gallon) @ UL			FUE			DHS RIG g/test)	G TEST @ UL		2DHS RIG T (g/test) @			ED CANISTER T (g/test) @ 4K			
		FU	IEL TY	PEC	ERT	STD			CE	ERT	STD	CERT	STD		CERT		STD		
MHYXR0118E1G		G	SOLIN ER3 E	1 11	0.01 0.20			GASOLINE- LEV3 E10		*	*	*		* 0.03		13	0.020		

CALIFORNIA AIR RESOURCES BOARD												
EFFECTIVE LEAK DIAMETER STANDARD AND CERTIFICATION LEVEL (INCHES)												
EVAPORATIVE FAMILY LEA												
MHYXR0118E1G MHYXR0												
MHYXR0118E1GMHYXR0118E1G-DNH0.000.02*: not applicable; #: pounds; UL: useful life; PC: passenger car; LDT: light-duty truck; LDT1: LDT<6000#GVWR,0-3750#LVW; LDT2: LDT<6000#GVWR,3751-5750#LVW; LDT3: LDT 6001-8500#GVWR,3751-5750#ALVW; LDT4: LDT 6001-8500#GVWR,5751- 8500#ALVW; MDV: medium-duty vehicle; MDV4: MDV 8501-10000#GVWR; MDV5: MDV 10001-14000#GVWR; MDPV: medium- duty passenger vehicle; HDV: heavy-duty vehicle; ECS: emission control system; CERT: certification; STD: standard; FEL: family 												

-automatic transmission; CV: continuously variable transmission; SCV: selectable continuously variable transmission; AM: automated manual transmission; AMS: automated manual-selectable transmission; OT: other transmission; AER: all-electric range; EAER: equivalent AER; PHEV: plug-in hybrid electric vehicle; NMOG + NOx Fleet Ave. Credit for Extended Warranty: N = no credits, Y = credits, S = credits for some/select models

	2021 MODEL YEAR: VEHICLE MODELS INFORMATION											
MAKE	MODEL	VEH CLASS	ENGINE (L)	TRANS TYPE	EVAPORATIVE FAMILY	EXH ECS	OBD					
HYUNDAI	SONATA HYBRID	PC	2.0	AMS 6	MHYXR0118E1G	1	F					
HYUNDAI	SONATA HYBRID BLUE	PC	2.0	AMS 6	MHYXR0118E1G	1	F					