

Certification Summary Information Report

Test Group	VBMXV00.0G6B	Evaporative/Refueling Family	--
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Models Covered by this Certificate

Carline Manufacturer	Division	Carline	Certification Region Code(s)	Drive System	Trans - Type	- # of Gears	Trans - Lockup
BMW	1 - BMW	424 - i5 xDrive40 Sedan (20" Wheels)	Federal	All Wheel Drive	Automatic	1	No
BMW	1 - BMW	423 - i5 xDrive40 Sedan (19" Wheels)	Federal	All Wheel Drive	Automatic	1	No
BMW	1 - BMW	425 - i5 xDrive40 Sedan (21" Wheels)	Federal	All Wheel Drive	Automatic	1	No

Engine Description

Hybrid Type	--	Hybrid Description	--
Engine Type	--	Mfr Engine Description	--
Engine Block Arrangement	--	Mfr Engine Block Arrangement Description	--
Camless Valvetrain Indicator	--	Oil Viscosity/Classification	--
Number of Cylinders/Rotors	--	Mechanically Variable Compression Ratio Indicator	--

After Treatment Device(s) (ATD)

Mfr After Treatment Device (ATD) Comments	--
Direct Ozone Reduction (DOR) Device	--
Mfr Emission Control Device Comments	--

Official Test Numbers

Test Group	Fuel	FTP	US06	SC03	Cold CO	Highway	EPA City Litmus Value	EPA City Litmus Threshold	EPA Highway Litmus Value	EPA Highway Litmus Threshold	CREE Weighting Factor
Electricity		--	--	--	--	--	--	--	--	--	--

Certification Summary Information Report

Test Group	VBMXV00.0G6B	Evaporative/Refueling Family	--
Hybrid Electric Vehicle And Fuel Cell Information			
Rechargeable Energy Storage System	Battery(s)	Rechargeable Energy Storage System, if Other	--
Battery Type	Lithium Ion	Number of Battery Packs	1
Total Voltage of Battery Packs	399	Battery Energy Capacity	210.6
Battery Specific Energy	152	Battery Charger Type	On-Board
Number of Capacitors	--	Capacitor Rating (In Farads)	--
Mfr Capacitor Comments	--		
Hydraulic System Description	--		
Regenerative Braking Type	Electrical Regen Brake		
Regenerative Braking Source	Both	Driver Controlled Regenerative Braking	Yes
Mfr Regenerative Braking Description	--		
Drive Motor(s)/Generator(s)	2		
Motor/Generator Type 1	EESM	Rated Motor/Generator Power	230
Motor/Generator Type 2	EESM	Rated Motor/Generator Power	190
Mfr Fuel Cell Description	--		
Fuel Cell On-Board H2 Storage Capacity (kg)	--	Usable H2 Fill Capacity (kg)	--
Mfr Hybrid Electric/ Electric Vehicle Comments	--		

Certification Summary Information Report

Test Group	VBMXV00.0G6B		Evaporative/Refueling Family	--							
Emission Data Vehicle Information											
Vehicle ID / Configuration	CV71119 / 0		Manufacturer Vehicle Configuration Number	0							
Original Test Group Name	VBMXV00.0G6B		Original Evaporative/Refueling Family	--							
Original Test Vehicle Model Year	2027										
Vehicle Model											
Represented Test Vehicle Make	BMW		Represented Test Vehicle Model	i5 xDrive40 Sedan (20" Wheels)							
Leak Family Details											
Leak Family Identifier	--		Leak Family Name	--							
Drive Sources and Fuel System Details											
<table border="1"> <thead> <tr> <th>Drive Source and Fuel#</th> <th>Drive Source</th> <th>Fuel</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Electric Motor</td> <td>Electricity</td> </tr> </tbody> </table>						Drive Source and Fuel#	Drive Source	Fuel	1	Electric Motor	Electricity
Drive Source and Fuel#	Drive Source	Fuel									
1	Electric Motor	Electricity									
Hybrid Indicator	No		Multiple Fuel Combustion	--							
Multiple Fuel Storage	--		Rechargeable Energy Storage System Indicator	Yes							
Fuel Cell Indicator	No		Rechargeable Energy Storage System, if 'Other'	--							
Rechargeable Energy Storage System	Battery(s)		Odometer Correction Factor	1							
Off-board charge Capable Indicator	Yes		Odometer Correction Sign	+ = System Miles is equal to (Test odometer reading * Correction factor) + Initial system miles							
Odometer Correction -- Initial	0		Odometer Correction Units	Miles							
Engine Code	XE2A02N1G60X		Rated Horsepower	1							
Displacement (liters)	0.001		Air Aspiration Method, if 'Other'	--							
Air Aspiration Method	Naturally Aspirated		Air Aspiration Device Configuration	--							
Number of Air Aspiration Devices	--		Drive Mode While Testing	All Wheel Drive							
Charge Air Cooler Type	--		Aged Emission Components	4,000 (mi)							
Shift Indicator Light Usage	Not equipped		Equivalent Test Weight (pounds)	5500							
Curb Weight (lbs)	5163		N/V Ratio	1							
GVWR (lbs)	6338		# of Transmission Gears	1							
Axle Ratio	1		Creeper Gear	No							
Transmission Type	Automatic										
Transmission Lockup	No										
Dynamometer Coefficients:											
Target Coefficients			Set Coefficients			EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients					
Coefficient Category	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	A (lbf)	B (lbf/mph)		C (lbf/mph**2)				
City/Highway/Evap	36.6	0.26	0.0151	3.7	0.052		0.0151				
US06	36.6	0.26	0.0151	3.7	0.052	0.0151	11.6				
							N/A				

Certification Summary Information Report

Test Group	VBMXV00.0G6B	Evaporative/Refueling Family	--
Emission Control Device Comments	--		
Manufacturer Test Vehicle Comments	vi_CV71119_00_FEDV_i5 xDrive40 Sedan (20" Wheels)_A_ETW-5500_RG41_default mode_D; Axle Ratio front: 8.774; Axle Ratio rear: 9.374; N/V ratio front: 109.8; N/V ratio rear: 117.3; Power (peak) front: 190kW; Power (peak) rear: 230kW		

Certification Summary Information Report

Test Group	VBMXV00.0G6B	Evaporative/Refueling Family	--
Test #	VBMX10093066	Test Procedure	77 - Multi-Cycle Test (MCT)
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	01/13/2026	Fuel	Electricity
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Assigned
Verify Test Lab ID	EETZ Emissions Lab		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	8061	Odometer Units	K
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes

PHEV/EV Charge Depleting Test Information

Recharge Event Voltage	230	Recharge Event Energy (kiloWatt-hours)	94.884
Charge Depleting Range (Calculated miles)	410.115	Charge Depleting Range (Actual miles)	410.115
Charge Depleting Range Highway (Calculated miles)	398.55	Derived 5-Cycle Coefficient Model Year	--
All Electric Range Unadjusted (miles)	--	Equivalent All Electric Range (miles)	410.115
Number of Charge Depleting Bags/Phases Conducted	8	Transition Bag/Phase Number	--

Charge Depleting Bag/Phase #1

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.465
Carbon dioxide	0
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	0.378
Drive Trace Energy Economy Rating	-0.001
Drive Trace Inertia Work Ratio Rating	0.368
Integrated DC KW-HRS	1.6547
Manufacturer Fuel Economy	22.1661

Charge Depleting Bag/Phase #2

Certification Summary Information Report

Test Group	VBMXV00.0G6B	Evaporative/Refueling Family	--																		
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Charge Depleting Bag/Phase #5																					

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Manufacturer Fuel Economy	20.5019																				
Charge Depleting Bag/Phase #7																					
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Charge Depleting Bag/Phase #8																					

Certification Summary Information Report

Test Group	VBMXV00.0G6B	Evaporative/Refueling Family	--
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Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	42.25
Carbon dioxide	0
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	99.99
Drive Trace Energy Economy Rating	99.99
Drive Trace Inertia Work Ratio Rating	99.99
Integrated DC KW-HRS	10.7059
Manufacturer Fuel Economy	25.3395

Manufacturer Test Comments

01_MCT_CV71119_00_FEDV_i5 xDrive40 Sedan (20" Wheels)_A_ETW-5500_RG41_default mode_D; MCT UBE energy = 83773 Wh

Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	120,000 miles	Other	CREE	0	--	--	--	--	1	0	--	--
Fed	120,000 miles	Other	CREE	0	--	--	--	--	1	0	--	--
Fed	120,000 miles	Other	CREE	0	--	--	--	--	1	0	--	--
Fed	120,000 miles	Other	CREE	0	--	--	--	--	1	0	--	--
Fed	120,000 miles	Other	CREE	0	--	--	--	--	1	0	--	--
Fed	120,000 miles	Other	CREE	0	--	--	--	--	1	0	--	--
Fed	120,000 miles	Other	CREE	0	--	--	--	--	1	0	--	--

Certification Summary Information Report

Test Group	VBMXV00.0G6B	Evaporative/Refueling Family	--						
Emission Data Vehicle Information									
Vehicle ID / Configuration	CV71119 / 1	Manufacturer Vehicle Configuration Number	0						
Original Test Group Name	VBMXV00.0G6B	Original Evaporative/Refueling Family	--						
Original Test Vehicle Model Year	2027								
Vehicle Model									
Represented Test Vehicle Make	BMW	Represented Test Vehicle Model	i5 xDrive40 Sedan (19" Wheels)						
Leak Family Details									
Leak Family Identifier	--	Leak Family Name	--						
Drive Sources and Fuel System Details									
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Hybrid Indicator	No	Multiple Fuel Combustion	--						
Multiple Fuel Storage	--	Rechargeable Energy Storage System Indicator	Yes						
Fuel Cell Indicator	No	Rechargeable Energy Storage System, if 'Other'	--						
Rechargeable Energy Storage System	Battery(s)								
Off-board charge Capable Indicator	Yes	Odometer Correction Factor	1						
Odometer Correction -- Initial	0	Odometer Correction Sign + = System Miles is equal to (Test odometer reading * Correction factor) + Initial system miles							
Odometer Correction Units	Miles								
Engine Code	XE2A02N1G60X	Rated Horsepower	1						
Displacement (liters)	0.001	Air Aspiration Method, if 'Other'							
Air Aspiration Method	Naturally Aspirated	Air Aspiration Device Configuration	--						
Number of Air Aspiration Devices	--	Drive Mode While Testing	All Wheel Drive						
Charge Air Cooler Type	--	Aged Emission Components	4,000 (mi)						
Shift Indicator Light Usage	Not equipped	Equivalent Test Weight (pounds)	5500						
Curb Weight (lbs)	5163	N/V Ratio	1						
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Axle Ratio	1	# of Transmission Gears	1						
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Dynamometer Coefficients:									
Target Coefficients			Set Coefficients						
Coefficient Category	A (lbf)	B (lbf/mph)	C (lbf/mph**2)						
City/Highway/Evap	36.6	0.26	0.01541						
	3.7	0.052	0.01541						
			EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients						
			11.8						
Emission Control Device Comments									
--									

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Manufacturer Test Vehicle Comments	vi_CV71119_01_FEDV_i5 xDrive40 Sedan (19" Wheels)_A_ETW-5500_RG42_default mode_D; Axle Ratio front: 8.774; Axle Ratio rear: 9.374; N/V ratio front: 109.8; N/V ratio rear: 117.3; Power (peak) front: 190kW; Power (peak) rear: 230kW		

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Test Group	VBMXV00.0G6B	Evaporative/Refueling Family	--
Test #	VBMX10093067	Test Procedure	77 - Multi-Cycle Test (MCT)
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	12/05/2025	Fuel	Electricity
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Assigned
Verify Test Lab ID	EETZ Emissions Lab		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	6836	Odometer Units	K
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes

PHEV/EV Charge Depleting Test Information

Recharge Event Voltage	230	Recharge Event Energy (kiloWatt-hours)	95.618
Charge Depleting Range (Calculated miles)	409.689	Charge Depleting Range (Actual miles)	409.689
Charge Depleting Range Highway (Calculated miles)	397.801	Derived 5-Cycle Coefficient Model Year	--
All Electric Range Unadjusted (miles)	--	Equivalent All Electric Range (miles)	409.689
Number of Charge Depleting Bags/Phases Conducted	8	Transition Bag/Phase Number	--

Charge Depleting Bag/Phase #1

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.459
Carbon dioxide	0
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	0.286
Drive Trace Energy Economy Rating	-0.13
Drive Trace Inertia Work Ratio Rating	0.243
Integrated DC KW-HRS	1.6441
Manufacturer Fuel Economy	22.0413

Charge Depleting Bag/Phase #2

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Certification Summary Information Report

Test Group	VBMXV00.0G6B	Evaporative/Refueling Family	--																		
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Charge Depleting Bag/Phase #8																					

Certification Summary Information Report

Test Group	VBMXV00.0G6B	Evaporative/Refueling Family	--
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Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	37.348
Carbon dioxide	0
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	99.99
Drive Trace Energy Economy Rating	99.99
Drive Trace Inertia Work Ratio Rating	99.99
Integrated DC KW-HRS	9.6234
Manufacturer Fuel Economy	25.767

Manufacturer Test Comments

01_MCT_CV71119_01_FEDV_i5 xDrive40 Sedan (19" Wheels)_A_ETW-5500_RG42_default mode_D; MCT UBE energy = 84289 Wh

Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	120,000 miles	Other	CREE	0	--	--	--	--	1	0	--	--
Fed	120,000 miles	Other	CREE	0	--	--	--	--	1	0	--	--
Fed	120,000 miles	Other	CREE	0	--	--	--	--	1	0	--	--
Fed	120,000 miles	Other	CREE	0	--	--	--	--	1	0	--	--
Fed	120,000 miles	Other	CREE	0	--	--	--	--	1	0	--	--
Fed	120,000 miles	Other	CREE	0	--	--	--	--	1	0	--	--
Fed	120,000 miles	Other	CREE	0	--	--	--	--	1	0	--	--
Fed	120,000 miles	Other	CREE	0	--	--	--	--	1	0	--	--

Certification Summary Information Report

Test Group	VBMXV00.0G6B		Evaporative/Refueling Family	--							
Emission Data Vehicle Information											
Vehicle ID / Configuration	CV71119 / 2		Manufacturer Vehicle Configuration Number	0							
Original Test Group Name	VBMXV00.0G6B		Original Evaporative/Refueling Family	--							
Original Test Vehicle Model Year	2027										
Vehicle Model											
Represented Test Vehicle Make	BMW		Represented Test Vehicle Model	i5 xDrive40 Sedan (20" Wheels)							
Leak Family Details											
Leak Family Identifier	--		Leak Family Name	--							
Drive Sources and Fuel System Details											
<table border="1"> <thead> <tr> <th>Drive Source and Fuel#</th> <th>Drive Source</th> <th>Fuel</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Electric Motor</td> <td>Electricity</td> </tr> </tbody> </table>						Drive Source and Fuel#	Drive Source	Fuel	1	Electric Motor	Electricity
Drive Source and Fuel#	Drive Source	Fuel									
1	Electric Motor	Electricity									
Hybrid Indicator	No		Multiple Fuel Combustion	--							
Multiple Fuel Storage	--		Rechargeable Energy Storage System Indicator	Yes							
Fuel Cell Indicator	No		Rechargeable Energy Storage System, if 'Other'	--							
Rechargeable Energy Storage System	Battery(s)										
Off-board charge Capable Indicator	Yes		Odometer Correction Factor	1							
Odometer Correction -- Initial	0										
Odometer Correction Sign	+ = System Miles is equal to (Test odometer reading * Correction factor) + Initial system miles										
Odometer Correction Units	Miles										
Engine Code	XE2A02N1G60X		Rated Horsepower	1							
Displacement (liters)	0.001										
Air Aspiration Method	Naturally Aspirated		Air Aspiration Method, if 'Other'								
Number of Air Aspiration Devices	--		Air Aspiration Device Configuration	--							
Charge Air Cooler Type	--		Drive Mode While Testing	All Wheel Drive							
Shift Indicator Light Usage	Not equipped		Aged Emission Components	4,000 (mi)							
Curb Weight (lbs)	5163		Equivalent Test Weight (pounds)	5500							
GVWR (lbs)	6338		N/V Ratio	1							
Axle Ratio	1										
Transmission Type	Automatic		# of Transmission Gears	1							
Transmission Lockup	No		Creeper Gear	No							
Dynamometer Coefficients:											
Target Coefficients			Set Coefficients								
Coefficient Category	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients				
City/Highway/Evap	39.9	0.27	0.01591	5.8	0.102	0.01538	12.4				
Emission Control Device Comments	--										

Certification Summary Information Report

Test Group	VBMXV00.0G6B	Evaporative/Refueling Family	--
Manufacturer Test Vehicle Comments	vi_CV71119_02_FEDV_i5 xDrive40 Sedan (20" Wheels)_A_ETW-5500_RG43_default mode_D; Axle Ratio front: 8.774; Axle Ratio rear: 9.374; N/V ratio front: 109.8; N/V ratio rear: 117.3; Power (peak) front: 190kW; Power (peak) rear: 230kW		

Certification Summary Information Report

Test Group	VBMXV00.0G6B	Evaporative/Refueling Family	--
Test #	VBMX10093068	Test Procedure	77 - Multi-Cycle Test (MCT)
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	11/26/2025	Fuel	Electricity
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Assigned
Verify Test Lab ID	EETZ Emissions Lab		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	3146	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes
PHEV/EV Charge Depleting Test Information			
Recharge Event Voltage	230	Recharge Event Energy (kiloWatt-hours)	95.44
Charge Depleting Range (Calculated miles)	396.973	Charge Depleting Range (Actual miles)	396.973
Charge Depleting Range Highway (Calculated miles)	377.558	Derived 5-Cycle Coefficient Model Year	--
All Electric Range Unadjusted (miles)	--	Equivalent All Electric Range (miles)	396.973
Number of Charge Depleting Bags/Phases Conducted	8	Transition Bag/Phase Number	--
Charge Depleting Bag/Phase #1			
Test Result/Emission Name		Unrounded Test Result	
Actual Distance Driven (miles)		7.489	
Carbon dioxide		0	
Carbon-Related Exhaust Emissions		0	
Drive Trace Absolute Speed Change Rating		0.629	
Drive Trace Energy Economy Rating		0.268	
Drive Trace Inertia Work Ratio Rating		0.984	
Integrated DC KW-HRS		1.7107	
Manufacturer Fuel Economy		22.8433	
Charge Depleting Bag/Phase #2			

Certification Summary Information Report

Test Group	VBMXV00.0G6B	Evaporative/Refueling Family	--																		
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Certification Summary Information Report

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Certification Summary Information Report

Test Group	VBMXV00.0G6B	Evaporative/Refueling Family	--
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Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	35.251
Carbon dioxide	0
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	99.99
Drive Trace Energy Economy Rating	99.99
Drive Trace Inertia Work Ratio Rating	99.99
Integrated DC KW-HRS	9.4817
Manufacturer Fuel Economy	26.8976

Manufacturer Test Comments

01_MCT_CV71119_02_FEDV_i5 xDrive40 Sedan (20" Wheels)_A_ETW-5500_RG43_default mode_D; MCT UBE energy = 84364 Wh

Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	120,000 miles	Other	CREE	0	--	--	--	--	1	0	--	--
Fed	120,000 miles	Other	CREE	0	--	--	--	--	1	0	--	--
Fed	120,000 miles	Other	CREE	0	--	--	--	--	1	0	--	--
Fed	120,000 miles	Other	CREE	0	--	--	--	--	1	0	--	--
Fed	120,000 miles	Other	CREE	0	--	--	--	--	1	0	--	--
Fed	120,000 miles	Other	CREE	0	--	--	--	--	1	0	--	--
Fed	120,000 miles	Other	CREE	0	--	--	--	--	1	0	--	--
Fed	120,000 miles	Other	CREE	0	--	--	--	--	1	0	--	--

Certification Summary Information Report

Test Group	VBMXV00.0G6B		Evaporative/Refueling Family	--						
Emission Data Vehicle Information										
Vehicle ID / Configuration	CV71119 / 3		Manufacturer Vehicle Configuration Number	0						
Original Test Group Name	VBMXV00.0G6B		Original Evaporative/Refueling Family	--						
Original Test Vehicle Model Year	2027									
Vehicle Model										
Represented Test Vehicle Make	BMW		Represented Test Vehicle Model	i5 xDrive40 Sedan (21" Wheels)						
Leak Family Details										
Leak Family Identifier	--		Leak Family Name	--						
Drive Sources and Fuel System Details										
<table border="1"> <thead> <tr> <th>Drive Source and Fuel#</th> <th>Drive Source</th> <th>Fuel</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Electric Motor</td> <td>Electricity</td> </tr> </tbody> </table>					Drive Source and Fuel#	Drive Source	Fuel	1	Electric Motor	Electricity
Drive Source and Fuel#	Drive Source	Fuel								
1	Electric Motor	Electricity								
Hybrid Indicator	No		Multiple Fuel Combustion	--						
Multiple Fuel Storage	--		Rechargeable Energy Storage System Indicator	Yes						
Fuel Cell Indicator	No		Rechargeable Energy Storage System, if 'Other'	--						
Rechargeable Energy Storage System	Battery(s)		Odometer Correction Factor	1						
Off-board charge Capable Indicator	Yes		Odometer Correction Sign	+ = System Miles is equal to (Test odometer reading * Correction factor) + Initial system miles						
Odometer Correction -- Initial	0		Odometer Correction Units	Miles						
Engine Code	XE2A02N1G60X		Rated Horsepower	1						
Displacement (liters)	0.001		Air Aspiration Method, if 'Other'	--						
Air Aspiration Method	Naturally Aspirated		Air Aspiration Device Configuration	--						
Number of Air Aspiration Devices	--		Drive Mode While Testing	All Wheel Drive						
Charge Air Cooler Type	--		Aged Emission Components	4,000 (mi)						
Shift Indicator Light Usage	Not equipped		Equivalent Test Weight (pounds)	5500						
Curb Weight (lbs)	5163		N/V Ratio	1						
GVWR (lbs)	6338		# of Transmission Gears	1						
Axle Ratio	1		Creeper Gear	No						
Transmission Type	Automatic									
Transmission Lockup	No									
Dynamometer Coefficients:										
Target Coefficients			Set Coefficients			EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients				
Coefficient Category	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	A (lbf)	B (lbf/mph)		C (lbf/mph**2)			
City/Highway/Evap	42.6	0.277	0.01679	10	0.089	0.01639	13.1			
Emission Control Device Comments	--									

Certification Summary Information Report

Test Group	VBMXV00.0G6B	Evaporative/Refueling Family	--
Manufacturer Test Vehicle Comments	vi_CV71119_03_FEDV_i5 xDrive40 Sedan (21" Wheels)_A_ETW-5500_RG44_default mode_D; Axle Ratio front: 8.774; Axle Ratio rear: 9.374; N/V ratio front: 109.8; N/V ratio rear: 117.3; Power (peak) front: 190kW; Power (peak) rear: 230kW		

Certification Summary Information Report

Test Group	VBMXV00.0G6B	Evaporative/Refueling Family	--
Test #	VBMX10093069	Test Procedure	77 - Multi-Cycle Test (MCT)
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	11/28/2025	Fuel	Electricity
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Assigned
Verify Test Lab ID	EETZ Emissions Lab		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	5656	Odometer Units	K
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes

PHEV/EV Charge Depleting Test Information

Recharge Event Voltage	230	Recharge Event Energy (kiloWatt-hours)	95.682
Charge Depleting Range (Calculated miles)	384.012	Charge Depleting Range (Actual miles)	384.012
Charge Depleting Range Highway (Calculated miles)	363.499	Derived 5-Cycle Coefficient Model Year	--
All Electric Range Unadjusted (miles)	--	Equivalent All Electric Range (miles)	384.012
Number of Charge Depleting Bags/Phases Conducted	8	Transition Bag/Phase Number	--

Charge Depleting Bag/Phase #1

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.455
Carbon dioxide	0
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	0.312
Drive Trace Energy Economy Rating	-0.028
Drive Trace Inertia Work Ratio Rating	0.291
Integrated DC KW-HRS	1.7572
Manufacturer Fuel Economy	23.5705

Charge Depleting Bag/Phase #2

Certification Summary Information Report

Test Group	VBMXV00.0G6B	Evaporative/Refueling Family	--																		
<table border="1"> <thead> <tr> <th>Test Result/Emission Name</th> <th>Unrounded Test Result</th> </tr> </thead> <tbody> <tr> <td>Actual Distance Driven (miles)</td> <td>10.282</td> </tr> <tr> <td>Carbon dioxide</td> <td>0</td> </tr> <tr> <td>Carbon-Related Exhaust Emissions</td> <td>0</td> </tr> <tr> <td>Drive Trace Absolute Speed Change Rating</td> <td>0.098</td> </tr> <tr> <td>Drive Trace Energy Economy Rating</td> <td>0.035</td> </tr> <tr> <td>Drive Trace Inertia Work Ratio Rating</td> <td>0.363</td> </tr> <tr> <td>Integrated DC KW-HRS</td> <td>2.446</td> </tr> <tr> <td>Manufacturer Fuel Economy</td> <td>23.7889</td> </tr> </tbody> </table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	10.282	Carbon dioxide	0	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	0.098	Drive Trace Energy Economy Rating	0.035	Drive Trace Inertia Work Ratio Rating	0.363	Integrated DC KW-HRS	2.446	Manufacturer Fuel Economy	23.7889
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Drive Trace Inertia Work Ratio Rating	0.363																				
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Manufacturer Fuel Economy	23.7889																				
Charge Depleting Bag/Phase #3																					
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Manufacturer Fuel Economy	22.5804																				
Charge Depleting Bag/Phase #4																					
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Drive Trace Inertia Work Ratio Rating	99.99																				
Integrated DC KW-HRS	63.6917																				
Manufacturer Fuel Economy	28.1823																				
Charge Depleting Bag/Phase #5																					

Certification Summary Information Report

Test Group	VBMXV00.0G6B	Evaporative/Refueling Family	--																		
<table border="1"> <thead> <tr> <th>Test Result/Emission Name</th> <th>Unrounded Test Result</th> </tr> </thead> <tbody> <tr> <td>Actual Distance Driven (miles)</td> <td>7.456</td> </tr> <tr> <td>Carbon dioxide</td> <td>0</td> </tr> <tr> <td>Carbon-Related Exhaust Emissions</td> <td>0</td> </tr> <tr> <td>Drive Trace Absolute Speed Change Rating</td> <td>0.194</td> </tr> <tr> <td>Drive Trace Energy Economy Rating</td> <td>-0.132</td> </tr> <tr> <td>Drive Trace Inertia Work Ratio Rating</td> <td>0.055</td> </tr> <tr> <td>Integrated DC KW-HRS</td> <td>1.6084</td> </tr> <tr> <td>Manufacturer Fuel Economy</td> <td>21.572</td> </tr> </tbody> </table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.456	Carbon dioxide	0	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	0.194	Drive Trace Energy Economy Rating	-0.132	Drive Trace Inertia Work Ratio Rating	0.055	Integrated DC KW-HRS	1.6084	Manufacturer Fuel Economy	21.572
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Manufacturer Fuel Economy	21.572																				
Charge Depleting Bag/Phase #6																					
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Manufacturer Fuel Economy	22.756																				
Charge Depleting Bag/Phase #7																					
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Test Result/Emission Name	Unrounded Test Result																				
Actual Distance Driven (miles)	7.453																				
Carbon dioxide	0																				
Carbon-Related Exhaust Emissions	0																				
Drive Trace Absolute Speed Change Rating	0.197																				
Drive Trace Energy Economy Rating	-0.049																				
Drive Trace Inertia Work Ratio Rating	0.086																				
Integrated DC KW-HRS	1.6275																				
Manufacturer Fuel Economy	21.8373																				
Charge Depleting Bag/Phase #8																					

Certification Summary Information Report

Test Group	VBMXV00.0G6B	Evaporative/Refueling Family	--
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Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	33.366
Carbon dioxide	0
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	99.99
Drive Trace Energy Economy Rating	99.99
Drive Trace Inertia Work Ratio Rating	99.99
Integrated DC KW-HRS	9.44
Manufacturer Fuel Economy	28.2923

Manufacturer Test Comments 01_MCT_CV71119_03_FEDV_i5 xDrive40 Sedan (21" Wheels)_A_ETW-5500_RG44_default mode_D; MCT UBE energy = 84595 Wh

Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	120,000 miles	Other	CREE	0	--	--	--	--	1	0	--	--
Fed	120,000 miles	Other	CREE	0	--	--	--	--	1	0	--	--
Fed	120,000 miles	Other	CREE	0	--	--	--	--	1	0	--	--
Fed	120,000 miles	Other	CREE	0	--	--	--	--	1	0	--	--
Fed	120,000 miles	Other	CREE	0	--	--	--	--	1	0	--	--
Fed	120,000 miles	Other	CREE	0	--	--	--	--	1	0	--	--
Fed	120,000 miles	Other	CREE	0	--	--	--	--	1	0	--	--

Fuel Properties

Certification Summary Information Report

Test Group	VBMXV00.0G6B	Evaporative/Refueling Family	--
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Consolidated List of Standards

Exhaust Standards

Cert Region	Federal	Cert/In-Use Code	Cert
Vehicle Class	LDV/Passenger Car	Standard Level	Other
Fuel	Electricity	Test Procedure	Multi-Cycle Test (MCT)

Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
120,000 miles	CREE	--	--	--	--	--	1	--	0
150,000 miles	CO	--	--	--	--	--	1	--	0

Certification Summary Information Report

Test Group	VBMXV00.0G6B	Evaporative/Refueling Family	--
Glossary			
Useful Life			
4	4,000 miles	120	120,000 miles
50	50,000 miles	150	150,000 miles
100	100,000 miles		
Emission Name			
HC-TOTAL	Total Hydrocarbon	AS-VOLT	Average System Voltage
CO	Carbon Monoxide	CO2 BAG 1	Bag 1 Carbon Dioxide
CO2	Carbon dioxide	CO2 BAG 2	Bag 2 Carbon Dioxide
CREE	Carbon-Related Exhaust Emissions	CO2 BAG 3	Bag 3 Carbon Dioxide
OPT-CREE	Optional Carbon-Related Exhaust Emissions	CO2 BAG 4	Bag 4 Carbon Dioxide
NOX	Nitrogen Oxide	NMOG+NOX	Non-methane organic gases plus Nitrogen Oxides
PM	Particulate Matter	NMOG+NOX-COMP	SFTP Composite Non-methane Organic Gases + Nitrogen Oxides
PM-COMP	SFTP Composite Particulate Matter	DT-IWRR	Drive Trace Inertia Work Ratio Rating
HC-NM	Non-methane Hydrocarbon	DT-ASCR	Drive Trace Absolute Speed Change Rating
OMHCE	Organic material Hydrocarbon Equivalent	DT-EER	Drive Trace Energy Economy Rating
OMNMHCE	Organic material non-methane HC equivalent	COMB-CREE	Combined Carbon-Related Exhaust Emissions
NMOG	Non-methane organic gases	COMB-OPT-CREE	Combined Optional Carbon-Related Exhaust Emissions
HCHO	Formaldehyde	HC-TOTAL-EQUIV	Total Hydrocarbon equivalent - Evap only
H3C2HO	Acetaldehyde	METHANE-COMB	Combined CH4 for HD 2b/3 vehicles only
HC-NM+NOX	SFTP Non-methane Hydrocarbon + Nitrogen Oxides for US06 or SC03	N2O-COMB	Combined Nitrous Oxide for HD 2b/3 vehicles only
HC-NM+NOX-COMP	SFTP Composite Non-methane Hydrocarbon + Nitrogen Oxides	LEAK-DIA	Effective Leak Diameter (inches)
CO-COMP	SFTP Composite Carbon Monoxide	LEAK-GAS CAP	Gas Cap Leakage (cc/min)
ETHANOL	C2H5OH - Ethanol	CO2-COMB	Combined Carbon Dioxide for HD 2b/3 Vehicles Only
FE BAG 1	Bag 1 Fuel Economy	KW-HRS	Integrated DC KW-HRS
FE BAG 2	Bag 2 Fuel Economy	CH4 BAG 1	Bag 1 Methane
FE BAG 3	Bag 3 Fuel Economy	CH4 BAG 2	Bag 2 Methane
FE BAG 4	Bag 4 Fuel Economy	CH4 BAG 3	Bag 3 Methane
MFR FE	Manufacturer Fuel Economy	CH4 BAG 4	Bag 4 Methane
HC	Hydrocarbon for Running Loss and ORVR	CO BAG 1	Bag 1 Carbon Monoxide
METHANE	CH4 - Methane	CO BAG 2	Bag 2 Carbon Monoxide
METHANOL	CH3OH - Methanol	CO BAG 3	Bag 3 Carbon Monoxide
N2O	Nitrous Oxide	CO BAG 4	Bag 4 Carbon Monoxide
SPITBACK	Spitback Hydrocarbon in grams	NMOG BAG 1	Bag 1 Non-methane organic gases
AMP-HRS	Integrated Amp-hours	NMOG BAG 2	Bag 2 Non-methane organic gases
START-SOC	System Start State of Charge Watt-hours	NMOG BAG 3	Bag 3 Non-methane organic gases
END-SOC	System End State of Charge Watt-hours	NMOG BAG 4	Bag 4 Non-methane organic gases
ACT-DISTANCE	Actual Distance Driven (miles)		
Certification Region			

Certification Summary Information Report

Test Group	VBMXV00.0G6B	Evaporative/Refueling Family	
CA	California + CAA Section 177 states	FA	Federal
Exhaust Emission Standard Level			
B1	Federal Tier 2 Bin 1	T3B160	Federal Tier 3 Bin 160
B2	Federal Tier 2 Bin 2	T3B125	Federal Tier 3 Bin 125
B3	Federal Tier 2 Bin 3	T3B110	Federal Tier 3 Transitional Bin 110
B4	Federal Tier 2 Bin 4	T3B85	Federal Tier 3 Transitional Bin 85
B5	Federal Tier 2 Bin 5	T3SULEV30	Federal Tier 3 Transitional LEV-II SULEV30 Carryover
B6	Federal Tier 2 Bin 6	T3B70	Federal Tier 3 Bin 70
B7	Federal Tier 2 Bin 7	T3B50	Federal Tier 3 Bin 50
B8	Federal Tier 2 Bin 8	T3B30	Federal Tier 3 Bin 30
B9	Federal Tier 2 Bin 9	T3B20	Federal Tier 3 Bin 20
B10	Federal Tier 2 Bin 10	T3B0	Federal Tier 3 Bin 0
B11	Federal Tier 2 Bin 11	HDV2B395	Federal Tier 3 HD Class 2b Transitional Bin 395
HDV1	HDV1 (Federal HD chassis Class 2b GVW 8501-10000)	HDV2B340	Federal Tier 3 HD Class 2b Transitional Bin 340
HDV2	HDV2 (Federal HD chassis Class 3 GVW 10001-14000)	HDV2B250	Federal Tier 3 HD Class 2b Bin 250
L2	California LEV-II LEV	HDV2B200	Federal Tier 3 HD Class 2b Bin 200
L2OP	California LEV-II LEV Optional	HDV2B170	Federal Tier 3 HD Class 2b Bin 170
U2	California LEV-II ULEV	HDV2B150	Federal Tier 3 HD Class 2b Bin 150
S2	California LEV-II SULEV	HDV2B0	Federal Tier 3 HD Class 2b Bin 0
ZEV	California ZEV	HDV3B630	Federal Tier 3 HD Class 3 Transitional Bin 630
OT	Other	HDV3B570	Federal Tier 3 HD Class 3 Transitional Bin 570
T1	Federal Tier 1	HDV3B400	Federal Tier 3 HD Class 3 Bin 400
PZEV	California PZEV	HDV3B270	Federal Tier 3 HD Class 3 Bin 270
L2LEV160	California LEV-II LEV160	HDV3B230	Federal Tier 3 HD Class 3 Bin 230
L2ULEV125	California LEV-II ULEV125	HDV3B200	Federal Tier 3 HD Class 3 Bin 200
L2SULEV30	California LEV-II SULEV30	HDV3B0	Federal Tier 3 HD Class 3 Bin 0
L2LEV395	California LEV-II LEV395	L4SULEV100	California LEV-IV SULEV100
L2ULEV340	California LEV-II ULEV340	L4SULEV125	California LEV-IV SULEV125
L2LEV630	California LEV-II LEV630	L4SULEV15	California LEV-IV SULEV15
L2ULEV570	California LEV-II ULEV570	L4SULEV150	California LEV-IV SULEV150
L3LEV160	California LEV-III LEV160	L4SULEV170	California LEV-IV SULEV170
L3ULEV125	California LEV-III ULEV125	L4SULEV175	California LEV-IV SULEV175
L3ULEV70	California LEV-III ULEV70	L4SULEV20	California LEV-IV SULEV20
L3ULEV50	California LEV-III ULEV50	L4SULEV200	California LEV-IV SULEV200
L3SULEV30	California LEV-III SULEV30	L4SULEV230	California LEV-IV SULEV230
L3SULEV20	California LEV-III SULEV20	L4SULEV25	California LEV-IV SULEV25
L3LEV395	California LEV-III LEV395	L4SULEV30	California LEV-IV SULEV30
L3ULEV340	California LEV-III ULEV340	L4SULEV75	California LEV-IV SULEV75
L3ULEV250	California LEV-III ULEV250	L4SULEV85	California LEV-IV SULEV85
L3ULEV200	California LEV-III ULEV200	L4ULEV125	California LEV-IV ULEV125

Certification Summary Information Report

Test Group		VBMXV00.0G6B	Evaporative/Refueling Family		--
L3SULEV170	California LEV-III SULEV170		L4ULEV200	California LEV-IV ULEV200	
L3SULEV150	California LEV-III SULEV150		L4ULEV250	California LEV-IV ULEV250	
L3LEV630	California LEV-III LEV630		L4ULEV270	California LEV-IV ULEV270	
L3ULEV570	California LEV-III ULEV570		L4ULEV40	California LEV-IV ULEV40	
L3ULEV400	California LEV-III ULEV400		L4ULEV400	California LEV-IV ULEV400	
L3ULEV270	California LEV-III ULEV270		L4ULEV50	California LEV-IV ULEV50	
L3SULEV230	California LEV-III SULEV230		L4ULEV60	California LEV-IV ULEV60	
L3SULEV200	California LEV-III SULEV200		L4ULEV70	California LEV-IV ULEV70	
Transmission Type Code					
AMS	Automated Manual- Selectable (e.g. Automated Manual with paddles)		M	Manual	
A	Automatic		OT	Other	
AM	Automated Manual		SA	Semi-Automatic	
CVT	Continuously Variable		SCV	Selectable Continuously Variable (e.g. CVT with paddles)	
Drive System Code					
4	4-Wheel Drive		P	Part-time 4-Wheel Drive	
F	2-Wheel Drive, Front		A	All Wheel Drive	
R	2-Wheel Drive, Rear				
Additional Terms and Acronyms					
AFC	Alternative Fuel Converter		ICI	Independent Commercial Importer	
CSI	Certificate Summary Information		ORVR	Onboard Refueling Vapor Recovery	
DF	Deterioration Factor		SIL	Shift Indicator Light	
Evap	Evaporation, Evaporative		Trans	Transmission	