# MSCI Canada Minimum Volatility (CAD) Index (CAD)

The MSCI Canada Minimum Volatility (CAD) Index aims to reflect the performance characteristics of a minimum variance strategy applied to the MSCI large and mid cap Canadian equity universe. The index is calculated by optimizing the MSCI Canada Index, its parent index, for the lowest absolute risk (within a given set of constraints). Historically, the index has shown lower beta and volatility characteristics relative to the MSCI Canada Index.

For a complete description of the index methodology, please see Index methodology - MSCI.

## CUMULATIVE INDEX PERFORMANCE — NET RETURNS (CAD) (MAR 2009 – MAR 2024)



#### **ANNUAL PERFORMANCE (%)**

Year	MSCI Canada Min Vol (CAD)	MSCI Canada
2023	10.60	12.35
2022	-1.84	-6.54
2021	25.20	24.91
2020	-2.22	3.47
2019	23.05	21.05
2018	-7.67	-9.74
2017	6.91	8.45
2016	16.65	20.26
2015	-4.35	-9.04
2014	16.28	10.65
2013	11.19	12.71
2012	5.96	6.67
2011	3.42	-10.55
2010	14.66	14.17

#### INDEX PERFORMANCE — NET RETURNS (%) (MAR 29, 2024)

#### **FUNDAMENTALS (MAR 29, 2024)**

					ANNUALIZED							
	1 Mo	3 Мо	1 Yr	YTD	3 Yr	5 Yr	10 Yr <sub>M</sub>	Since lay 31, 2001	Div Yld (%)	P/E	P/E Fwd	P/BV
MSCI Canada Min Vol (CAD)	2.14	5.98	11.57	5.98	10.42	9.06	7.81	8.23	3.15	16.57	15.51	2.15
MSCI Canada	3.87	6.71	15.06	6.71	8.98	9.21	7.01	6.60	3.05	16.36	14.63	2.02

#### INDEX RISK AND RETURN CHARACTERISTICS (MAY 31, 2001 - MAR 29, 2024)

			,	ANNUALIZED STD DEV (%) 2			MAXIMUM DRAWDOWN	
	Beta	Tracking Error (%)	Turnover (%) 1	3 Yr	5 Yr	10 Yr	(%)	Period YYYY-MM-DD
MSCI Canada Min Vol (CAD)	0.76	4.95	18.17	10.82	13.09	10.65	42.32	2007-10-31-2009-03-09
MSCI Canada	1.00	0.00	2.09	13.41	15.46	12.66	48.40	2008-06-18-2009-03-09
		1 Last 12 months	<sup>2</sup> Based on	monthly net ret	urns data			

The MSCI Canada Minimum Volatility (CAD) Index was launched on Jan 16, 2012. Data prior to the launch date is back-tested test (i.e. calculations of how the index might have performed over that time period had the index existed). There are frequently material differences between back-tested performance and actual results. Past performance – whether actual or back-tested – is no indication or guarantee of future performance.



MAR 29, 2024 **Index Factsheet** 

#### **INDEX CHARACTERISTICS**

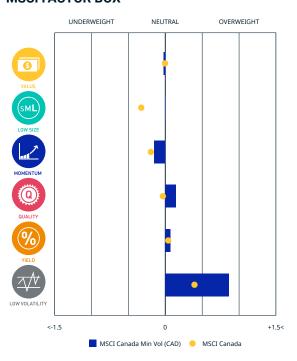
	MSCI Canada Min Vol (CAD)	MSCI Canada				
Number of	65	87				
Constituents						
	Weight (%)					
Largest	3.16	7.14				
Smallest	0.08	0.10				
Average	1.54	1.15				
Median	1.26	0.64				

#### **TOP 10 CONSTITUENTS**

	Index Wt. (%)	Parent Index Wt. (%)	Sector
ROYAL BANK OF CANADA	3.16	7.14	Financials
CANADIAN NATL RAILWAY	3.16	3.62	Industrials
THOMSON REUTERS CORP	3.08	1.24	Industrials
FAIRFAX FINANCIAL HLDGS	2.98	1.15	Financials
CGI A	2.98	1.14	Info Tech
PEMBINA PIPELINE	2.98	0.98	Energy
ENBRIDGE	2.95	3.87	Energy
INTACT FINANCIAL	2.92	1.45	Financials
METRO A	2.89	0.61	Cons Staples
LOBLAW	2.87	0.87	Cons Staples
Total	29.95	22.08	

In day

### FACTORS - KEY EXPOSURES THAT DRIVE RISK AND RETURN **MSCI FACTOR BOX**



#### **MSCI FaCS**



**Relatively Inexpensive Stocks** 



**LOW SIZE Smaller Companies** 



**MOMENTUM Rising Stocks** 



**QUALITY Sound Balance Sheet Stocks** 



**YIELD Cash Flow Paid Out** 



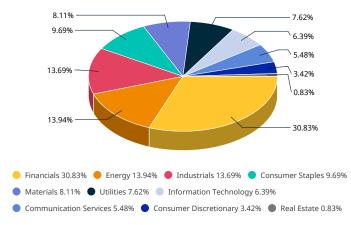
**LOW VOLATILITY Lower Risk Stocks** 

MSCI FaCS provides absolute factor exposures relative to a

broad global index - MSCI ACWI IMI.

Neutral factor exposure (FaCS = 0) represents MSCI ACWI IMI.

#### **SECTOR WEIGHTS**





MAR 29, 2024 Index Factsheet

#### MSCI FACTOR BOX AND FaCS FRAMEWORK (Please refer to complete description of the MSCI FaCS methodology here)

MSCI FaCS is a standard method for evaluating and reporting the Factor characteristics of equity portfolios. MSCI FaCS consists of Factor Groups (e.g. Value, Size, Momentum, Quality, Yield, and Volatility) that have been extensively documented in academic literature and validated by MSCI Research as key drivers of risk and return in equity portfolios. These Factor Groups are constructed by aggregating 16 factors (e.g. Book-to-Price, Earnings/Dividend Yields, LT Reversal, Leverage, Earnings Variability/Quality, Beta) from the latest Barra global equity factor risk model, GEMLT, designed to make fund comparisons transparent and intuitive for use. The MSCI Factor Box, which is powered by MSCI FaCS, provides a visualization designed to easily compare absolute exposures of funds/indexes and their benchmarks along 6 Factor Groups that have historically demonstrated excess market returns over the long run.

#### **ABOUT MSCI**

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