New York, August 07, 2019

MSCI US Equity Indexes

The following are changes in constituents for the MSCI US Equity Indexes which will take place as of the close of August 27, 2019.

SUMMARY OF THE CHANGES INCLUDED IN THIS ANNOUNCEMENT:

Nb of Securities	Nb of Securities
Added	Deleted
1	2
2	1
0	0
0	0
	Securities Added 1 2

MSCI US PRIME MARKET 750 INDEX Additions ARRAY BIOPHARMA

MSCI	US	SMALL	CAP	1750	INDEX	
Additions						
COMMSCOPE HOLDING				CO		
SPECTRUM BRANDS						

MSCI US INVESTABLE MARKET 2500 INDEX Additions

MSCI US MICRO CAP INDEX Additions

Deletions

Deletions

Deletions ARRAY BIOPHARMA

COMMSCOPE HOLDING CO SPECTRUM BRANDS

Deletions

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