

Formosa Stock Index

I. Profile

Index Name : Formosa Stock Index

Abbreviation : Formosa Index

Base Date : 2013/12/31

Base Value : 10,000

II. Calculation Method

$$\text{Index} = \frac{\text{Market Value}}{\text{Divisor}} \times \text{Base Value}$$

Market Value = Market Value of TAIEX+ Market Value of GTEX

Base Value = 10,000

III. Divisor calculation of Formosa Stock Index (The method also apply to the Divisor calculation of total return index)

$$AllD_{t+1} = \left[\frac{\left(\frac{TWSED_{t+1}}{TWSED_t}\right)TWSEM V_t + \left(\frac{GTSMD_{t+1}}{GTSMD_t}\right)GTSMM V_t}{TWSEM V_t + GTSMM V_t} \right] AllD_t$$

- AllD: The Divisor of Formosa Index
- TWSEM V: The total market value of TAIEX Constituents
- GTSMM V: The total market value of GTEX Constituents
- TWSED: The Divior of TAIEX
- GTSMD: The Divior of GTEX