

Quick Ratio: Formula:

$$\text{Quick Ratio} = \frac{\text{Cash} + \text{Marketable Securities} + \text{Accounts Receivable}}{\text{Current Liabilities}}$$

- For 2022:

$$\frac{23,646 + 24,658 + 28,184}{153,982} = 0.497$$

The Quick Ratio listed (109236.138) is incorrect.

Cash Ratio: Formula:

$$\text{Cash Ratio} = \frac{\text{Cash} + \text{Marketable Securities}}{\text{Current Liabilities}}$$

- For 2022:

$$\frac{23,646 + 24,658}{153,982} = 0.314$$

- For 2021:

$$\frac{34,940 + 27,699}{125,481} = 0.499$$

- For 2020:

$$\frac{38,016 + 52,927}{105,392} = 0.865$$

The listed ratios are 0.154 (2022), 0.278 (2021), and 0.361 (2020), which differ from the calculations.

Total Asset Turnover: Formula:

$$\text{Total Asset Turnover} = \frac{\text{Net Sales}}{\text{Average Total Assets}}$$

- Average total assets are calculated as the mean of beginning and ending assets.
- For 2022:

$$\frac{394,328}{\frac{325,433 + 306,253.5}{2}} = 1.223$$

- For 2021:

$$\frac{365,817}{\frac{306,253.5 + 268,023.5}{2}} = 1.226$$

- For 2020:

$$\frac{274,515}{\frac{268,023.5 + 268,023.5}{2}} = 1.024$$

Assets Growth (%): Formula:

$$\text{Asset Growth (\%)} = \frac{\text{Ending Total Assets} - \text{Beginning Total Assets}}{\text{Beginning Total Assets}} \times 100$$

- 2022:

$$\frac{325,433 - 306,253.5}{306,253.5} \times 100 = 6.26\%$$

- 2021:

$$\frac{306,253.5 - 268,023.5}{268,023.5} \times 100 = 14.26\%$$

Capex as a Percentage of Sales: Formula:

$$\text{Capex (\%)} = \frac{\text{Capex}}{\text{Net Sales}} \times 100$$

- Without specific Capex values, I cannot verify these directly, but the listed percentages are:
 - 2022: 2.96%
 - 2021: 0.66%
 - 2020: -3.30%