






# Advanced PDF Analysis & Chat Bot

*Extract, Compare, Analyze, and Chat with your PDF documents using Advanced RAG*

 Upload  Compare  Chat  Analysis  Summary

## Intelligent Document Chat

### Document Q&A

Ask a question about your documents:

difference between the 2 documents

### Conversation History

**You:** What are the discrepancies between the PO and invoice?

**Assistant:** The discrepancies between the Purchase Order (PO) and the Proforma Invoice (PI) for Infinity Supplies can be summarized as follows:

#### 1. Wireless Mouse (A1001)

- Unit Price: PO at 14.5 vs. PI at 15.95
- Tax Amount: PO at 25.828125 vs. PI at 28.4109375
- Line Total: PO at 370.203125 vs. PI at 407.2234375

#### 2. Mechanical Keyboard (A1002)

- Tax Amount: PO at 62.775 vs. PI at 69.75
- Line Total: PO at 899.775 vs. PI at 906.75

#### 3. 1080p Webcam (A1004)

- Unit Price: PO at 39.99 vs. PI at 35.991

- Discount Amount: PO at 57.5856 vs. PI at 51.82704
- Taxable Amount: PO at 662.2344 vs. PI at 596.01096
- Tax Amount: PO at 49.66758 vs. PI at 44.700822
- Line Total: PO at 711.90198 vs. PI at 640.711782

#### 4. Noise-Canceling Headset (A1005)

- Discount %: PO at 12% vs. PI at 7.5%
- Discount Amount: PO at 128.16 vs. PI at 80.1
- Taxable Amount: PO at 939.84 vs. PI at 987.9
- Tax Amount: PO at 70.488 vs. PI at 74.0925
- Line Total: PO at 1010.328 vs. PI at 1061.9925

#### 5. Portable SSD 1TB (A1007)

- Unit Price: PO at 99.99 vs. PI at 104.9895
- Discount Amount: PO at 49.995 vs. PI at 52.49475
- Taxable Amount: PO at 949.905 vs. PI at 997.40025
- Tax Amount: PO at 71.242875 vs. PI at 74.80501875
- Line Total: PO at 1021.147875 vs. PI at 1072.20526875

#### 6. Office Chair (Ergonomic) (A1010)

- Unit Price: PO at 129.5 vs. PI at 148.925
- Discount Amount: PO at 62.16 vs. PI at 71.484
- Taxable Amount: PO at 973.84 vs. PI at 1119.916
- Tax Amount: PO at 73.038 vs. PI at 83.9937
- Line Total: PO at 1046.878 vs. PI at 1203.9097

#### 7. Summary Metrics

- Subtotal: PO at 7512.72 vs. PI at 7682.383
- Discounts: PO at 471.6056 vs. PI at 431.42329
- Taxable: PO at 7041.1144 vs. PI at 7250.95971
- Tax: PO at 528.08358 vs. PI at 550.79697825
- Grand Total: PO at 7569.19798 vs. PI at 7801.40018825

These discrepancies could arise from various factors such as pricing updates, discount adjustments, or calculation errors in either document. It's essential to address and reconcile these differences before finalizing the transaction.

**You:** compare the both documents and list me in 20 pts which is better and why

**Assistant:** 1. **Subtotal Comparison:** The Purchase Order (PO) subtotal is 7512.72, while the Proforma Invoice (PI) subtotal is 7682.383. The PI is higher, likely due to some increased unit prices.

2. **Discounts:** The PO offers a total discount of 471.6056, whereas the PI offers 431.42329. The PO provides more savings through discounts.
3. **Taxable Amount:** The PO has a taxable amount of 7041.1144, and the PI has 7250.95971. The higher taxable amount in the PI reflects the higher prices before tax.
4. **Tax Amount:** The tax amount in the PO is 528.08358, while in the PI, it is 550.7969782499999. The PI has a slightly higher tax amount due to its higher taxable base.
5. **Grand Total:** The PO's grand total is 7569.19798, and the PI's grand total is 7801.400188250001. The PO is more cost-effective.
6. **Unit Price Variations:** The PI has a higher unit price for items such as the Wireless Mouse (A1001) and the Portable SSD 1TB (A1007), which contributes to its higher subtotal.
7. **Discount Percentage Adjustments:** Some items like the Noise-Canceling Headset (A1005) have different discount rates between documents, affecting the overall discount and final price.
8. **Consistency in Tax Rate:** Both documents apply the same tax rate for each item, ensuring consistency in tax calculation.
9. **Line Total Accuracy:** Despite variations in unit prices and discounts, both documents accurately calculate line totals based on their respective inputs.
10. **Error Handling in Proforma Invoice:** The PI is noted to contain errors, such as incorrect unit prices or discount rates for certain items, which may affect the decision-making process.
11. **Clear Description of Items:** Both documents provide a clear description and SKU for each item, facilitating easy identification and comparison.
12. **Summary Metrics for Quick Analysis:** Summary metrics at the end of both documents help in quickly understanding total impacts of prices, discounts, and taxes.
13. **Format Consistency:** Both documents maintain a consistent format, aiding in straightforward comparison between the two.
14. **Confidentiality Note:** Both documents are marked confidential, emphasizing the sensitivity of their contents.

15. **Discount Impact on Taxable Amount:** The application of discounts before calculating the taxable amount ensures accurate tax calculation in both documents.
16. **SKU Consistency:** Both documents maintain consistent SKUs, allowing for accurate item tracking and comparison.
17. **Address and Logo:** Both documents feature the company's address and logo, maintaining professional presentation and brand consistency.
18. **Tax Calculation Method:** The method for calculating tax after applying discounts but before adding the tax to the line total is consistently applied, ensuring fairness and transparency.
19. **Overall Financial Impact:** The PO is financially more advantageous due to lower overall costs, more significant discounts, and a lower grand total.
20. **Decision Making:** Based on cost-effectiveness, the Purchase Order is better as it offers more savings, a critical factor for budget-conscious decision-making.

In summary, while both documents serve their respective purposes in the procurement process, the Purchase Order provides a more cost-effective option due to lower prices, higher discounts, and a lower grand total, making it the better choice from a financial perspective.

**You:** What's the total quantity ordered?

**Assistant:** To calculate the total quantity ordered, we can sum up the quantities from either the Purchase Order or the Proforma Invoice since the quantities for each SKU are consistent across both documents.

Here's the calculation:

- Wireless Mouse (A1001): 25
- Mechanical Keyboard (A1002): 15
- USB-C Hub (7-in-1) (A1003): 30
- 1080p Webcam (A1004): 18
- Noise-Canceling Headset (A1005): 12
- Laptop Stand (Aluminum) (A1006): 20
- Portable SSD 1TB (A1007): 10
- HDMI Cable (2m) (A1008): 40
- Laser Printer (A1009): 6
- Office Chair (Ergonomic) (A1010): 8

Adding these quantities together gives us a total quantity ordered of **184** items.

**You:** ? "What's the price difference for A1001?" ? "Tell me about the Office Chair discrepancy" ? "Why does A1010 have a HIGH severity?" ? "What's the discount on the Wireless Mouse?" ? "How many items match perfectly?"

**Assistant:** 1. Price Difference for A1001 (Wireless Mouse):

- Purchase Order Unit Price: \$14.5
- Proforma Invoice Unit Price (PI): \$15.95
- **Price Difference:** \$1.45 higher on the Proforma Invoice.

2. Office Chair Discrepancy:

- **Purchase Order:** Unit Price 129.5, Discount 6%, Tax 7.5%, Line Total 1046.878.
- **Proforma Invoice:** Unit Price 148.925, Discount 6%, Tax 7.5%, Line Total 1203.9097.
- The discrepancy arises from a significant increase in the unit price on the Proforma Invoice, which leads to a higher line total despite the same discount and tax rates.

3. Why A1010 has a HIGH severity:

- The severity of the discrepancy for the Office Chair (A1010) is considered high due to the substantial increase in the unit price from 129.5 to 148.925. This significantly affects the line total, leading to a much higher cost on the Proforma Invoice. High severity discrepancies are typically those that have a major impact on the total cost.

4. Discount on the Wireless Mouse:

- **Purchase Order Discount:** 5% on a line subtotal of 362.5, which equals 18.125.
- **Proforma Invoice Discount:** 5% on a line subtotal of 398.75, which equals 19.9375.

5. Items Matching Perfectly:

- By comparing the details line by line from both documents, the items that match perfectly in description, quantity, unit price, discount percentage, tax percentage, and calculated totals are:
  - A1003: USB-C Hub (7-in-1)
  - A1006: Laptop Stand (Aluminum)
  - A1008: HDMI Cable (2m)
- **Total Perfect Matches:** 3 items.

**You:** ? "What's the total discount difference?" ? "Compare the subtotals between PO and invoice" ? "What's the tax difference?" ? "Why is the grand total different?" ? "Show me the taxable amounts"

**Assistant:** To address your queries accurately, let's break down the information provided in the Purchase Order (PO) and the Proforma Invoice (PI) from Infinity Supplies:

## 1. Total Discount Difference

- **PO Discount Total:** 471.6056
- **PI Discount Total:** 431.42329
- **Difference:** The total discount on the PO is higher than on the PI by **40.18231**.

## 2. Compare the Subtotals between PO and Invoice

- **PO Subtotal:** 7512.72
- **PI Subtotal:** 7682.383
- **Difference:** The subtotal on the PI is higher than the PO by **169.663**.

## 3. Tax Difference

- **PO Tax Total:** 528.08358
- **PI Tax Total:** 550.7969782499999
- **Difference:** The tax total on the PI is higher than on the PO by **22.71339825**.

## 4. Why is the Grand Total Different?

The grand total difference is a result of several factors:

- **Differences in Unit Prices:** Some items are priced differently between the PO and PI, affecting the line subtotals.
- **Differences in Discounts:** The total discount applied in the PO is higher than in the PI.
- **Tax Calculations:** The higher taxable amount in the PI leads to a higher tax total.

These factors combine to result in different grand totals between the PO and PI.

## 5. Taxable Amounts

- **PO Taxable Amount:** 7041.1144
- **PI Taxable Amount:** 7250.95971
- **Observation:** The taxable amount is higher in the PI, contributing to a higher tax total and affecting the overall grand total.

In summary, the differences in unit prices, discounts applied, and the resulting tax calculations contribute to the variations in the grand totals observed between the PO and the Proforma Invoice.

**You:** ? "What's the total quantity ordered?" ? "Are there any quantity mismatches?" ? "How many units of A1002 were ordered?" ? "Compare quantities for all items"

**Assistant:** Based on the provided Purchase Order and Proforma Invoice documents from Infinity Supplies DIFC, Dubai, UAE, here are the answers to your queries:

## Total Quantity Ordered

To calculate the total quantity ordered, we add up the quantities from either the Purchase Order or the Proforma Invoice (assuming no mismatches in quantities for this part):

- A1001: 25
- A1002: 15
- A1003: 30
- A1004: 18
- A1005: 12
- A1006: 20
- A1007: 10
- A1008: 40
- A1009: 6
- A1010: 8

Total Quantity Ordered =  $25 + 15 + 30 + 18 + 12 + 20 + 10 + 40 + 6 + 8 = 184$  units

## Quantity Mismatches

After comparing the quantities for each SKU between the Purchase Order and the Proforma Invoice, **there are no mismatches in quantities**. Both documents list the same quantities for each item.

## Units of A1002 Ordered

The number of units for SKU A1002 (Mechanical Keyboard) ordered is **15 units**.

## Comparison of Quantities for All Items

Upon comparison, the quantity for each item listed in both the Purchase Order and the Proforma Invoice matches perfectly across all SKUs. This means that for every item (A1001 through A1010), the ordered quantities are consistent between the two documents, with no discrepancies found.

In summary, the total quantity ordered across all items is 184 units, there are no quantity mismatches between the documents, 15 units of A1002 were ordered, and the comparison confirms that quantities for all items are consistent between the Purchase Order and the Proforma Invoice.

**You:** "What are the discrepancies between the PO and invoice?" ? "Which items have price mismatches?"  
? "Show me items with quantity discrepancies" ? "What's the total variance between the documents?"  
? "Which SKU has the highest price difference?" ? "Are there any missing items in the invoice?"

**Assistant:** ### Discrepancies Between the PO and Invoice:

#### 1. Price Mismatches:

- **A1001 Wireless Mouse:** PO Unit Price: 14.5, Invoice Unit Price: 15.95.
- **A1004 1080p Webcam:** PO Unit Price: 39.99, Invoice Unit Price: 35.991.
- **A1007 Portable SSD 1TB:** PO Unit Price: 99.99, Invoice Unit Price: 104.9895.
- **A1010 Office Chair (Ergonomic):** PO Unit Price: 129.5, Invoice Unit Price: 148.925.

#### 2. Quantity Discrepancies:

- There are no discrepancies in quantities between the Purchase Order and the Proforma Invoice. All listed items have matching quantities across documents.

#### 3. Total Variance Between the Documents:

- **Grand Total on Purchase Order:** \$7569.19798
- **Grand Total on Proforma Invoice:** \$7801.400188250001
- **Total Variance:** 7801.400188250001 - 7569.19798 = \$232.202208250001

#### 4. Highest Price Difference:

- **A1010 Office Chair (Ergonomic)** shows the highest unit price difference between the PO and the invoice, with prices at 129.5 (PO) and 148.925 (Invoice), amounting to a difference of \$19.425 per unit.

#### 5. Missing Items in the Invoice:

- There are no missing items in the invoice. All items listed in the Purchase Order also appear in the Proforma Invoice.



Based on the analysis, discrepancies are found in unit prices for several SKUs but no quantity discrepancies. The overall variance between the two documents is \$232.202208250001, and all items listed in the Purchase Order are accounted for in the Proforma Invoice.

**You:** difference between the 2 documents

**Assistant:** The differences between the Purchase Order and the Proforma Invoice generated by Infinity Supplies, DIFC, Dubai, UAE, can be summarized as follows:

### 1. Unit Price Differences:

- **A1001 (Wireless Mouse):** The unit price increased from 14.5 in the Purchase Order to 15.95 in the Proforma Invoice.
- **A1004 (1080p Webcam):** The unit price decreased from 39.99 in the Purchase Order to 35.991 in the Proforma Invoice.
- **A1007 (Portable SSD 1TB):** The unit price increased from 99.99 in the Purchase Order to 104.9895 in the Proforma Invoice.
- **A1010 (Office Chair (Ergonomic)):** The unit price increased from 129.5 in the Purchase Order to 148.925 in the Proforma Invoice.

### 2. Discount % Differences:

- **A1004 (1080p Webcam):** The discount percentage decreased from 8% in the Purchase Order to 8% in the Proforma Invoice (the context suggests an intended difference, but it's erroneously presented as unchanged).
- **A1005 (Noise-Canceling Headset):** The discount percentage decreased from 12% in the Purchase Order to 7.5% in the Proforma Invoice.

3. **Line Subtotal Differences:** Due to changes in unit prices and discount rates, the line subtotals for some items have changed.

4. **Discount Amount Differences:** Changes in unit prices and discount percentages led to changes in discount amounts for specific items.

5. **Taxable Amount and Tax Amount Differences:** Adjustments in unit prices, discounts, and consequently line subtotals resulted in changes to taxable amounts and tax amounts for certain items.

### 6. Summary Metrics:

- **Subtotal:** Increased from 7512.72 in the Purchase Order to 7682.383 in the Proforma Invoice.
- **Discounts:** Decreased from 471.6056 in the Purchase Order to 431.42329 in the Proforma Invoice.

- **Taxable Amount:** Increased from 7041.1144 in the Purchase Order to 7250.95971 in the Proforma Invoice.
- **Tax Amount:** Increased from 528.08358 in the Purchase Order to 550.7969782499999 in the Proforma Invoice.
- **Grand Total:** Increased from 7569.19798 in the Purchase Order to 7801.400188250001 in the Proforma Invoice.

These differences indicate adjustments in pricing, discounting strategies, and final charges between the initial Purchase Order and the Proforma Invoice, leading to an overall increase in the total amount due as outlined in the Proforma Invoice.

Clear Chat History