

## Grodziska APA

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- Gravity **9.5 BLG**
- ABV ---
- IBU **24**
- SRM **2.8**
- Style **Grodziskie/Graetzer**

### Batch size

- Expected quantity of finished beer **10 liter(s)**
- Trub loss **5 %**
- Size with trub loss **11.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **13.8 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **6 liter(s)**
- Total mash volume **8 liter(s)**

### Fermentables

| Type  | Name                               | Amount     | Yield | EBC |
|-------|------------------------------------|------------|-------|-----|
| Grain | Grodziski pszeniczny wędzony dębem | 1 kg (50%) | 80 %  | 3   |
| Grain | Pszeniczny                         | 1 kg (50%) | 85 %  | 4   |

### Hops

| Use for | Name       | Amount | Time   | Alpha acid |
|---------|------------|--------|--------|------------|
| Boil    | Cascade PL | 10 g   | 10 min | 5.2 %      |
| Boil    | Citra      | 10 g   | 5 min  | 13.5 %     |
| Boil    | Chinook    | 5 g    | 50 min | 13 %       |

### Yeasts

| Name | Type  | Form | Amount | Laboratory |
|------|-------|------|--------|------------|
| S 33 | Wheat | Dry  | 10 g   | ---        |