

Apa

- Gravity **12.4 BLG**
- ABV **5 %**
- IBU **23**
- SRM **11.7**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **10 %**
- Size with trub loss **22 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **25.8 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **14.6 liter(s)**
- Total mash volume **19.4 liter(s)**

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|------------------------|----------------|-------|-----|
| Grain | Strzegom Pilzneński | 2 kg (41.2%) | 80 % | 4 |
| Grain | Pszeniczny | 0.5 kg (10.3%) | 85 % | 4 |
| Grain | Strzegom Wiedeński | 2 kg (41.2%) | 79 % | 10 |
| Grain | Strzegom Karmel 300 | 0.36 kg (7.4%) | 70 % | 299 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|-------------------|--------|--------|------------|
| Boil | Simcoe | 12.5 g | 60 min | 13.2 % |
| Boil | Lublin (Lubelski) | 10 g | 60 min | 4 % |