

Cascade APA

- Gravity **13.1 BLG**
- ABV **5.3 %**
- IBU **34**
- SRM **6.9**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

Mash information

- Mash efficiency **85 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **13.8 liter(s)**
- Total mash volume **18.4 liter(s)**

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|------------------------|----------------|-------|-----|
| Grain | Strzegom Pilzneński | 4.3 kg (93.5%) | 80 % | 4 |
| Grain | Strzegom Karmel 150 | 0.3 kg (6.5%) | 75 % | 150 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|---------|--------|--------|------------|
| Boil | Cascade | 35 g | 60 min | 6 % |
| Aroma (end of boil) | Cascade | 35 g | 0 min | 6 % |
| Boil | Cascade | 30 g | 20 min | 6 % |