

Centennial APA

- Gravity **11.2 BLG**
- ABV **4.5 %**
- IBU **41**
- SRM **10.1**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **26.4 liter(s)**

Fermentables

| Type | Name | Amount | Yield | EBC |
|----------------|-----------------------------------|---------------|-------|-----|
| Liquid Extract | Bruntal ekstrakt słodowy Pale Ale | 3.4 kg (100%) | 82 % | 35 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|-------------------------|--------|----------|------------|
| Boil | lunga PL 12,9% AA | 20 g | 60 min | 12.9 % |
| Boil | Centennial USA 10,2% AA | 10 g | 15 min | 10.2 % |
| Boil | Centennial USA 10,2% AA | 10 g | 10 min | 10.2 % |
| Aroma (end of boil) | Centennial USA 10,2% AA | 10 g | 5 min | 10.2 % |
| Dry Hop | Centennial USA 10,2% AA | 70 g | 4 day(s) | 10.2 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|--------------|------|------|--------|------------|
| Safale US-05 | Ale | Dry | 11.5 g | Safale |