

APA

- Gravity **13.8 BLG**
- ABV **5.7 %**
- IBU **37**
- SRM **4.4**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **27.8 liter(s)**

Fermentables

| Type | Name | Amount | Yield | EBC |
|----------------|----------------------------|----------------|-------|-----|
| Liquid Extract | WES ekstrakt słodowy jasny | 3.4 kg (73.9%) | 80 % | 8 |
| Liquid Extract | WES ekstrakt słodowy jasny | 1.2 kg (26.1%) | 80 % | 4 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|-------------------|--------|----------|------------|
| Boil | Marynka | 20 g | 60 min | 8.8 % |
| Boil | Mandarina Bavaria | 25 g | 25 min | 7.6 % |
| Boil | Mandarina Bavaria | 30 g | 10 min | 7.6 % |
| Dry Hop | Mandarina Bavaria | 45 g | 5 day(s) | 7.6 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-------------|------|------|--------|------------|
| Safale S-04 | Ale | Dry | 11 g | Safale |