

# apa

- Gravity **12.4 BLG**
- ABV **5 %**
- IBU **33**
- SRM **4.6**
- 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)**

## Fermentables

| Type           | Name                                | Amount         | Yield | EBC |
|----------------|-------------------------------------|----------------|-------|-----|
| Liquid Extract | WES ekstrakt słodowy jasny          | 2.4 kg (64.9%) | 80 %  | --- |
| Liquid Extract | Bruntal ekstrakt słodowy pszeniczny | 1.2 kg (32.4%) | 80 %  | 30  |
| Adjunct        | laktoza                             | 0.1 kg (2.7%)  | 100 % | --- |

## Hops

| Use for | Name   | Amount | Time     | Alpha acid |
|---------|--------|--------|----------|------------|
| Boil    | Waimea | 5 g    | 60 min   | 14.8 %     |
| Boil    | Waimea | 5 g    | 30 min   | 14.8 %     |
| Boil    | Waimea | 5 g    | 10 min   | 14.8 %     |
| Boil    | Galaxy | 5 g    | 10 min   | 14.5 %     |
| Boil    | waimea | 20 g   | 5 min    | 14.5 %     |
| Boil    | Galaxy | 20 g   | 5 min    | 14.5 %     |
| Dry Hop | Galaxy | 75 g   | 5 day(s) | 15 %       |
| Dry Hop | Waimea | 115 g  | ---      | 17 %       |

## Yeasts

| Name         | Type | Form | Amount | Laboratory |
|--------------|------|------|--------|------------|
| Safale US-05 | Ale  | Dry  | 1 g    | Fermentis  |