

# Alpakoterapia

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- Gravity **15 BLG**
- ABV **6.2 %**
- IBU **34**
- SRM **4.4**

## Batch size

- Expected quantity of finished beer **21.3 liter(s)**
- Trub loss **5 %**
- Size with trub loss **24.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **29.3 liter(s)**

## Mash information

- Mash efficiency **58 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **31.5 liter(s)**
- Total mash volume **40.5 liter(s)**

## Steps

- Temp **67 C**, Time **60 min**

## Mash step by step

- Heat up **31.5 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **60 min** at **67C**
- Sparge using **6.8 liter(s)** of **76C** water or to achieve **29.3 liter(s)** of wort

## Fermentables

| Type  | Name                 | Amount        | Yield  | EBC |
|-------|----------------------|---------------|--------|-----|
| Grain | Heidelberg           | 6 kg (66.7%)  | 80.5 % | 2   |
| Grain | Strzegom Pale Ale    | 2 kg (22.2%)  | 79 %   | 6   |
| Grain | Pszeniczny           | 0.5 kg (5.6%) | 85 %   | 4   |
| Grain | Weyermann - Carapils | 0.5 kg (5.6%) | 78 %   | 4   |

## Hops

| Use for             | Name        | Amount | Time     | Alpha acid |
|---------------------|-------------|--------|----------|------------|
| Boil                | Pacific Gem | 15 g   | 45 min   | 15.3 %     |
| Boil                | Pacific Gem | 20 g   | 20 min   | 15.3 %     |
| Aroma (end of boil) | Galaxy      | 50 g   | 0 min    | 15 %       |
| Dry Hop             | Galaxy      | 50 g   | 3 day(s) | 15 %       |
| Dry Hop             | Vic Secret  | 100 g  | 3 day(s) | 16.3 %     |

## Yeasts

| Name         | Type | Form | Amount | Laboratory |
|--------------|------|------|--------|------------|
| Safale US-05 | Ale  | Dry  | 11.4 g | Fermentis  |