

# WYEAST ALE

- Gravity **9.8 BLG**
- ABV **3.8 %**
- IBU **28**
- SRM **3.3**
- Style **American Pale Ale**

## Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **1 %**
- Size with trub loss **25.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **33.5 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **15 liter(s)**
- Total mash volume **20 liter(s)**

## Fermentables

| Type  | Name                 | Amount       | Yield | EBC |
|-------|----------------------|--------------|-------|-----|
| Grain | Viking Pale Ale malt | 3 kg (60%)   | 80 %  | 5   |
| Grain | Viking Pilsner malt  | 1.5 kg (30%) | 82 %  | 4   |
| Grain | Pszeniczny           | 0.5 kg (10%) | 85 %  | 4   |

## Hops

| Use for             | Name              | Amount | Time     | Alpha acid |
|---------------------|-------------------|--------|----------|------------|
| Boil                | Magnum            | 5 g    | 60 min   | 12 %       |
| Boil                | Citra             | 5 g    | 30 min   | 11.6 %     |
| Boil                | Centennial        | 10 g   | 30 min   | 7.6 %      |
| Boil                | Citra             | 10 g   | 15 min   | 11.6 %     |
| Boil                | Centennial        | 10 g   | 15 min   | 7.6 %      |
| Boil                | Citra             | 10 g   | 5 min    | 11.6 %     |
| Boil                | Centennial        | 10 g   | 5 min    | 7.6 %      |
| Aroma (end of boil) | Citra             | 15 g   | 0 min    | 11.6 %     |
| Aroma (end of boil) | Centennial        | 10 g   | 0 min    | 7.6 %      |
| Whirlpool           | Citra_wirpul      | 10 g   | 3 min    | 11.6 %     |
| Whirlpool           | Centennial_wirpul | 10 g   | 3 min    | 7.6 %      |
| Dry Hop             | Citra             | 30 g   | 4 day(s) | 11.6 %     |
| Dry Hop             | Centennial        | 30 g   | 4 day(s) | 7.6 %      |

## Yeasts

| Name                  | Type | Form   | Amount | Laboratory  |
|-----------------------|------|--------|--------|-------------|
| Wyeast - American Ale | Ale  | Liquid | 100 ml | Wyeast Labs |