

# Pliny the Elder

- Gravity **17.5 BLG**
- ABV **7.5 %**
- IBU **207**
- SRM **6.3**
- Style **Imperial IPA**

## Batch size

- Expected quantity of finished beer **19 liter(s)**
- Trub loss **5 %**
- Size with trub loss **19.9 liter(s)**
- Boil time **90 min**
- Evaporation rate **10 %/h**
- Boil size **25.2 liter(s)**

## Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **19 liter(s)**
- Total mash volume **25.3 liter(s)**

## Fermentables

| Type  | Name                       | Amount         | Yield | EBC |
|-------|----------------------------|----------------|-------|-----|
| Grain | Briess - Pale Ale Malt     | 5.8 kg (91.8%) | 80 %  | 7   |
| Grain | Caramel/Crystal Malt - 20L | 0.13 kg (2.1%) | 75 %  | 39  |
| Grain | Weyermann - Carapils       | 0.39 kg (6.2%) | 78 %  | 4   |

## Hops

| Use for   | Name                   | Amount | Time     | Alpha acid |
|-----------|------------------------|--------|----------|------------|
| Boil      | Warrior                | 78 g   | 90 min   | 15.5 %     |
| Boil      | Chinook                | 14 g   | 90 min   | 13 %       |
| Boil      | Columbus/Tomahawk/Zeus | 28 g   | 45 min   | 15.5 %     |
| Boil      | Simcoe                 | 28 g   | 30 min   | 13.2 %     |
| Whirlpool | Centennial             | 64 g   | 0 min    | 10.5 %     |
| Whirlpool | Simcoe                 | 28 g   | 0 min    | 13.2 %     |
| Dry Hop   | Columbus/Tomahawk/Zeus | 92 g   | 5 day(s) | 15.5 %     |
| Dry Hop   | Centennial             | 50 g   | 5 day(s) | 10.5 %     |
| Dry Hop   | Simcoe                 | 50 g   | 5 day(s) | 13.2 %     |

## Yeasts

| Name                          | Type | Form   | Amount | Laboratory |
|-------------------------------|------|--------|--------|------------|
| WLP001 - California Ale Yeast | Ale  | Liquid | 500 ml | White Labs |

## Extras

| Type   | Name       | Amount | Use for | Time   |
|--------|------------|--------|---------|--------|
| Fining | Irish moss | 1 g    | Boil    | 15 min |