

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 |