

# Imperial IPA XERO red DIPA

- Gravity **20.5 BLG**
- ABV **9 %**
- IBU **90**
- SRM **19.9**
- Style **Imperial IPA**

## 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)**

## Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **27.2 liter(s)**
- Total mash volume **36.2 liter(s)**

## Fermentables

| Type  | Name                       | Amount          | Yield | EBC |
|-------|----------------------------|-----------------|-------|-----|
| Grain | Pilzneński                 | 4 kg (44.2%)    | 81 %  | 4   |
| Grain | Strzegom Pszeniczny        | 2 kg (22.1%)    | 81 %  | 6   |
| Grain | Strzegom Karmel 150        | 0.85 kg (9.4%)  | 75 %  | 150 |
| Grain | Strzegom Monachijski typ I | 0.68 kg (7.5%)  | 79 %  | 16  |
| Grain | Caraamber                  | 0.683 kg (7.5%) | 75 %  | 59  |
| Grain | Weyermann - Carared        | 0.593 kg (6.6%) | 75 %  | 45  |
| Grain | Strzegom Karmel 300        | 0.246 kg (2.7%) | 70 %  | 299 |

## Hops

| Use for             | Name                   | Amount | Time     | Alpha acid |
|---------------------|------------------------|--------|----------|------------|
| Boil                | Magnum                 | 35 g   | 60 min   | 13.5 %     |
| Boil                | Columbus/Tomahawk/Zeus | 20 g   | 30 min   | 15.5 %     |
| Boil                | Simcoe                 | 20 g   | 20 min   | 13.2 %     |
| Boil                | Citra                  | 20 g   | 15 min   | 12 %       |
| Boil                | Centennial             | 20 g   | 10 min   | 10.5 %     |
| Aroma (end of boil) | Ahtanum                | 20 g   | 5 min    | 5 %        |
| Aroma (end of boil) | Amarillo               | 20 g   | 2 min    | 9.5 %      |
| Aroma (end of boil) | Simcoe                 | 20 g   | 1 min    | 13.2 %     |
| Dry Hop             | Columbus/Tomahawk/Zeus | 20 g   | 5 day(s) | 15.5 %     |
| Dry Hop             | Citra                  | 20 g   | 5 day(s) | 12 %       |
| Dry Hop             | Amarillo               | 20 g   | 5 day(s) | 9.5 %      |
| Dry Hop             | Simcoe                 | 20 g   | 5 day(s) | 13.2 %     |