

# Overtone Chart for Euphonium T.C. (4-valve, Compensating)

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Instructions at left refer to intonation tendencies.  
Sounding pitch is a major ninth lower than written.

The chart displays 11 staves, each representing a partial from the 2nd to the 12th. Each staff contains 12 notes, one for each valve combination (0, 1, 2, 3, 4, 1-2, 1-3, 2-3, 4, 1-4, 1-2-4, 2-3-4, 1-3-4, 1-2-3-4). The notes are written in treble clef. Below each staff is a set of five lines representing the euphonium's valves, with a note and its corresponding fingering written below the lines.

Partial	Intonation Tendency	Fingering
12th	Lower Slightly	0, 2, 1, 1-2, 2-3, 4 or 1-3, 2-4 or 1-2-3, 1-4, 1-2-4, 2-3-4, 1-3-4, 1-2-3-4
11th	Unusable - Flat	
10th	Raise Slightly	
9th	Lower Slightly	
8th	Normal	
7th	Unusable - Flat	
6th	Lower Slightly	
5th	Raise Slightly	
4th	Normal	
3rd	Lower Slightly	
2nd	Normal	
Fundamental	Normal	